

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800512     | ABA104674       | 25%      | 82.3%          | 82.1%            |
| SAU800512     | BAN105387       | 47%      | 95.6%          | 100%             |
| SAU800512     | BAN111644       | 59%      | 98.6%          | 99.3%            |
| SAU800512     | BPT101679       | 22%      | 94.5%          | 91.4%            |
| SAU800512     | BCE104415       | 27%      | 28.3%          | 20.1%            |
| SAU800512     | BFU102353       | 24%      | 94.5%          | 91.1%            |
| SAU800512     | BMA102197       | 25%      | 94.5%          | 91.1%            |
| SAU800512     | CAC102483       | 38%      | 98.6%          | 98.0%            |
| SAU800512     | CBO100978       | 40%      | 98.3%          | 97.6%            |
| SAU800512     | CDF103810       | 45%      | 98.6%          | 99.3%            |
| SAU800512     | EBC103852       | 25%      | 96.6%          | 91.8%            |
| SAU800512     | EFA201930       | 58%      | 96.2%          | 94.6%            |
| SAU800512     | ECO103324       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | HIN100790       | 21%      | 97.6%          | 94.9%            |
| SAU800512     | KPN306988       | 23%      | 96.6%          | 93.2%            |
| SAU800512     | LPN100616       | 22%      | 93.2%          | 93.2%            |
| SAU800512     | LMO102519       | 61%      | 98.0%          | 98.3%            |
| SAU800512     | MCA101414       | 24%      | 96.2%          | 92.3%            |
| SAU800512     | MAV105907       | 31%      | 16.7%          | 8.6%             |
| SAU800512     | NGO100527       | 24%      | 90.1%          | 84.4%            |
| SAU800512     | NME200412       | 23%      | 90.1%          | 77.7%            |
| SAU800512     | PMU101547       | 22%      | 95.6%          | 94.4%            |
| SAU800512     | PRT102606       | 21%      | 96.6%          | 94.9%            |
| SAU800512     | PAE205188       | 21%      | 97.3%          | 94.3%            |
| SAU800512     | PPU109985       | 20%      | 96.2%          | 92.0%            |
| SAU800512     | PSY103060       | 21%      | 94.5%          | 82.6%            |
| SAU800512     | SPA102217       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | STY101381       | 24%      | 96.6%          | 93.8%            |
| SAU800512     | STM102899       | 24%      | 96.6%          | 93.2%            |
| SAU800512     | SAU800512       | 100%     | 100%           | 100%             |
| SAU800512     | SEP201845       | 86%      | 99.7%          | 99.7%            |
| SAU800512     | SHA100697       | 88%      | 99.7%          | 99.3%            |
| SAU800512     | SMU101402       | 40%      | 99.0%          | 99.7%            |
| SAU800512     | SPN401990       | 40%      | 97.6%          | 98.3%            |
| SAU800512     | SPY200090       | 39%      | 99.0%          | 99.7%            |
| SAU800512     | VCH102697       | 20%      | 97.3%          | 91.9%            |
| SAU800512     | YPS001563       | 22%      | 97.6%          | 94.9%            |
| SAU800513     | ABA104099       | 48%      | 97.7%          | 94.3%            |
| SAU800513     | BAN102869       | 49%      | 97.4%          | 98.4%            |
| SAU800513     | BAN106294       | 66%      | 97.4%          | 96.2%            |
| SAU800513     | BFR10188        | 52%      | 98.7%          | 97.8%            |
| SAU800513     | BFR101983       | 59%      | 99.0%          | 98.4%            |
| SAU800513     | BPT100209       | 37%      | 99.0%          | 100%             |
| SAU800513     | BCE108109       | 41%      | 98.7%          | 83.7%            |
| SAU800513     | BFU116313       | 48%      | 97.1%          | 96.5%            |
| SAU800513     | BMA101335       | 40%      | 98.7%          | 99.3%            |
| SAU800513     | CJU100842       | 44%      | 97.1%          | 98.7%            |
| SAU800513     | CAC102941       | 55%      | 96.5%          | 97.7%            |
| SAU800513     | CBO100211       | 57%      | 98.1%          | 99.4%            |
| SAU800513     | CDF104166       | 47%      | 96.8%          | 99.0%            |
| SAU800513     | CDP101484       | 52%      | 99.0%          | 98.4%            |
| SAU800513     | EBC101639       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | EFA201835       | 60%      | 100%           | 100%             |
| SAU800513     | ECO102365       | 52%      | 95.2%          | 93.5%            |

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|---------------|-----------------|----------|----------------|------------------|
| SAU800513     | HIN101077       | 50%      | 94.8%          | 95.3%            |
| SAU800513     | KPN300766       | 54%      | 82.3%          | 96.4%            |
| SAU800513     | LPN100024       | 44%      | 95.2%          | 94.3%            |
| SAU800513     | LMO100284       | 67%      | 98.1%          | 98.7%            |
| SAU800513     | MCA100983       | 57%      | 96.8%          | 97.1%            |
| SAU800513     | MAV104131       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | MBV103669       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | MLP100505       | 56%      | 97.1%          | 97.4%            |
| SAU800513     | MTU202300       | 58%      | 97.1%          | 97.4%            |
| SAU800513     | NGO100032       | 58%      | 62.9%          | 99.5%            |
| SAU800513     | NME200897       | 60%      | 98.1%          | 98.7%            |
| SAU800513     | PMU101693       | 49%      | 94.8%          | 95.2%            |
| SAU800513     | PRT102264       | 53%      | 98.1%          | 97.8%            |
| SAU800513     | PAE202707       | 53%      | 95.5%          | 93.8%            |
| SAU800513     | PPU106282       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | PSY105521       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | SPA101199       | 48%      | 95.2%          | 93.4%            |
| SAU800513     | STY101194       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | STM101233       | 52%      | 95.2%          | 93.5%            |
| SAU800513     | SAU800513       | 100%     | 100%           | 100%             |
| SAU800513     | SEP201846       | 94%      | 100%           | 100%             |
| SAU800513     | SHA100698       | 93%      | 100%           | 100%             |
| SAU800513     | SMU101545       | 60%      | 98.7%          | 99.4%            |
| SAU800513     | SPN402012       | 63%      | 96.8%          | 98.0%            |
| SAU800513     | SPY201246       | 63%      | 96.1%          | 95.2%            |
| SAU800513     | VCH100952       | 54%      | 95.2%          | 93.5%            |
| SAU800513     | YPS000618       | 53%      | 95.2%          | 93.5%            |
| SAU800514     | ABA103059       | 36%      | 91.4%          | 88.0%            |
| SAU800514     | BAN106505       | 43%      | 83.9%          | 85.2%            |
| SAU800514     | BAN104389       | 46%      | 94.4%          | 84.5%            |
| SAU800514     | BFR100332       | 36%      | 94.8%          | 90.6%            |
| SAU800514     | BPT101025       | 37%      | 89.1%          | 86.4%            |
| SAU800514     | BCE103917       | 42%      | 63.3%          | 75.5%            |
| SAU800514     | BFU113769       | 35%      | 94.0%          | 94.1%            |
| SAU800514     | BMA100868       | 36%      | 89.1%          | 84.1%            |
| SAU800514     | CJU100546       | 28%      | 75.3%          | 54.7%            |
| SAU800514     | CPN201095       | 27%      | 91.8%          | 57.1%            |
| SAU800514     | CTR200892       | 28%      | 92.1%          | 57.8%            |
| SAU800514     | CAC102945       | 44%      | 92.1%          | 91.4%            |
| SAU800514     | CBO101085       | 38%      | 95.1%          | 65.8%            |
| SAU800514     | CDF102713       | 48%      | 94.4%          | 94.4%            |
| SAU800514     | CDP100658       | 39%      | 91.4%          | 92.1%            |
| SAU800514     | EBC102675       | 36%      | 97.0%          | 88.3%            |
| SAU800514     | EFA200779       | 38%      | 89.9%          | 90.9%            |
| SAU800514     | ECO103107       | 38%      | 97.0%          | 89.2%            |
| SAU800514     | HIN101432       | 36%      | 92.5%          | 91.6%            |
| SAU800514     | HIN101302       | 36%      | 92.5%          | 91.6%            |
| SAU800514     | HPY101215       | 25%      | 95.9%          | 68.7%            |
| SAU800514     | KPN300883       | 38%      | 89.5%          | 86.5%            |
| SAU800514     | LPN102090       | 36%      | 89.1%          | 92.4%            |
| SAU800514     | LMO102383       | 48%      | 93.3%          | 91.9%            |
| SAU800514     | MCA100464       | 35%      | 92.5%          | 89.6%            |
| SAU800514     | MAV103185       | 35%      | 89.1%          | 85.2%            |
| SAU800514     | MBV102396       | 38%      | 93.6%          | 93.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800514     | MLP100156       | 37%      | 94.0%          | 92.6%            |
| SAU800514     | MTU203556       | 38%      | 93.6%          | 93.6%            |
| SAU800514     | NGO100556       | 39%      | 94.0%          | 91.9%            |
| SAU800514     | NME201799       | 38%      | 97.0%          | 94.7%            |
| SAU800514     | PMU100439       | 38%      | 94.0%          | 93.1%            |
| SAU800514     | PRT100620       | 38%      | 91.4%          | 90.2%            |
| SAU800514     | PAE204746       | 38%      | 91.0%          | 87.6%            |
| SAU800514     | PPU105044       | 38%      | 91.0%          | 87.6%            |
| SAU800514     | PSY106101       | 38%      | 94.8%          | 91.2%            |
| SAU800514     | SPA100514       | 33%      | 91.4%          | 88.9%            |
| SAU800514     | STY101479       | 38%      | 91.4%          | 88.3%            |
| SAU800514     | SAU800514       | 100%     | 100%           | 100%             |
| SAU800514     | SEP201847       | 75%      | 100%           | 100%             |
| SAU800514     | SHA100699       | 71%      | 97.0%          | 99.2%            |
| SAU800514     | SMU100992       | 47%      | 93.3%          | 94.0%            |
| SAU800514     | SPN400266       | 37%      | 97.0%          | 95.2%            |
| SAU800514     | SPY200831       | 49%      | 90.3%          | 91.0%            |
| SAU800514     | VCH100626       | 36%      | 95.1%          | 93.5%            |
| SAU800514     | YPS001057       | 37%      | 91.4%          | 89.9%            |
| SAU800517     | ABA102635       | 51%      | 99.0%          | 94.4%            |
| SAU800517     | BAN101985       | 52%      | 97.4%          | 100%             |
| SAU800517     | BAN113496       | 76%      | 99.6%          | 98.4%            |
| SAU800517     | BFR102757       | 46%      | 99.0%          | 86.1%            |
| SAU800517     | BPT101799       | 50%      | 99.8%          | 98.0%            |
| SAU800517     | BCE109946       | 50%      | 100%           | 97.8%            |
| SAU800517     | BFU108644       | 49%      | 99.4%          | 95.0%            |
| SAU800517     | BMA108408       | 51%      | 100%           | 97.8%            |
| SAU800517     | CJU100369       | 47%      | 97.4%          | 96.2%            |
| SAU800517     | CPN200915       | 40%      | 98.8%          | 97.0%            |
| SAU800517     | CTR200158       | 40%      | 98.8%          | 97.5%            |
| SAU800517     | CAC101713       | 54%      | 99.0%          | 94.2%            |
| SAU800517     | CBO101347       | 55%      | 99.2%          | 96.4%            |
| SAU800517     | CDF101016       | 55%      | 99.6%          | 95.3%            |
| SAU800517     | CDP100639       | 38%      | 99.4%          | 98.3%            |
| SAU800517     | EBC102996       | 51%      | 99.0%          | 96.8%            |
| SAU800517     | EFA201926       | 68%      | 99.2%          | 98.2%            |
| SAU800517     | EFM102056       | 57%      | 23.6%          | 98.3%            |
| SAU800517     | ECO104023       | 53%      | 99.0%          | 96.8%            |
| SAU800517     | HIN101184       | 54%      | 99.4%          | 98.2%            |
| SAU800517     | HPY100179       | 46%      | 98.6%          | 97.0%            |
| SAU800517     | KPN303317       | 51%      | 99.0%          | 96.8%            |
| SAU800517     | KPN302939       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | LPN100325       | 52%      | 97.8%          | 97.0%            |
| SAU800517     | LMO102242       | 66%      | 99.6%          | 98.6%            |
| SAU800517     | MCA100679       | 50%      | 99.0%          | 96.8%            |
| SAU800517     | MAV100921       | 40%      | 99.0%          | 98.0%            |
| SAU800517     | MBV102374       | 40%      | 89.1%          | 92.9%            |
| SAU800517     | MLP100165       | 39%      | 98.4%          | 96.6%            |
| SAU800517     | MTU203546       | 38%      | 99.4%          | 98.0%            |
| SAU800517     | MGE100138       | 45%      | 99.8%          | 99.6%            |
| SAU800517     | MPN100558       | 46%      | 99.8%          | 99.6%            |
| SAU800517     | NGO101519       | 51%      | 98.6%          | 96.6%            |
| SAU800517     | NME201498       | 51%      | 98.6%          | 96.6%            |
| SAU800517     | PMU100189       | 53%      | 99.4%          | 98.4%            |

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|---------------|-----------------|----------|----------------|------------------|
| SAU800517     | PRT100474       | 53%      | 99.0%          | 96.3%            |
| SAU800517     | PAE203698       | 50%      | 99.6%          | 97.4%            |
| SAU800517     | PPU107895       | 50%      | 99.6%          | 97.4%            |
| SAU800517     | PSY104934       | 51%      | 99.6%          | 97.4%            |
| SAU800517     | SPA102976       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | STY104136       | 52%      | 99.0%          | 96.8%            |
| SAU800517     | STM103496       | 30%      | 64.2%          | 95.1%            |
| SAU800517     | SAU800517       | 100%     | 100%           | 100%             |
| SAU800517     | SEP201850       | 89%      | 100%           | 100%             |
| SAU800517     | SHA100105       | 93%      | 45.9%          | 100%             |
| SAU800517     | SMU100072       | 62%      | 99.4%          | 98.2%            |
| SAU800517     | SPN400626       | 62%      | 99.2%          | 98.8%            |
| SAU800517     | SPY200429       | 62%      | 99.2%          | 98.6%            |
| SAU800517     | UUR100060       | 53%      | 100%           | 99.6%            |
| SAU800517     | VCH100651       | 49%      | 99.6%          | 96.5%            |
| SAU800517     | YPS000160       | 52%      | 99.4%          | 97.2%            |
| SAU800519     | ABA100756       | 26%      | 50.5%          | 67.8%            |
| SAU800519     | BAN109871       | 71%      | 98.3%          | 99.7%            |
| SAU800519     | BAN107508       | 77%      | 100%           | 100%             |
| SAU800519     | BFR11308        | 34%      | 28.8%          | 29.5%            |
| SAU800519     | BPT100814       | 28%      | 7.5%           | 47.8%            |
| SAU800519     | BFU102894       | 25%      | 73.9%          | 64.9%            |
| SAU800519     | BMA102637       | 28%      | 36.6%          | 36.1%            |
| SAU800519     | CAC102051       | 62%      | 98.6%          | 100%             |
| SAU800519     | CBO101315       | 65%      | 96.9%          | 100%             |
| SAU800519     | CDP101490       | 60%      | 97.3%          | 95.7%            |
| SAU800519     | EBC103909       | 31%      | 30.5%          | 29.0%            |
| SAU800519     | EFM200941       | 37%      | 19.0%          | 14.2%            |
| SAU800519     | ECO103889       | 39%      | 19.0%          | 19.2%            |
| SAU800519     | HIN101613       | 60%      | 96.6%          | 97.3%            |
| SAU800519     | KPN306802       | 36%      | 20.3%          | 22.7%            |
| SAU800519     | LMO102728       | 79%      | 100%           | 100%             |
| SAU800519     | MCA100752       | 34%      | 29.2%          | 34.2%            |
| SAU800519     | MAV101844       | 61%      | 98.3%          | 95.7%            |
| SAU800519     | MBV100793       | 60%      | 98.3%          | 94.8%            |
| SAU800519     | MLP100276       | 60%      | 98.3%          | 94.5%            |
| SAU800519     | MTU202569       | 60%      | 98.3%          | 97.0%            |
| SAU800519     | NGO100999       | 37%      | 20%            | 19.8%            |
| SAU800519     | NME200335       | 37%      | 20%            | 19.8%            |
| SAU800519     | PMU101232       | 82%      | 100%           | 100%             |
| SAU800519     | PRT104614       | 31%      | 27.8%          | 28.2%            |
| SAU800519     | PAE200380       | 26%      | 51.9%          | 68.3%            |
| SAU800519     | SPA101833       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | STY103157       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | STM101623       | 41%      | 18.6%          | 20.3%            |
| SAU800519     | SAU800519       | 100%     | 100%           | 100%             |
| SAU800519     | SEP201862       | 97%      | 100%           | 100%             |
| SAU800519     | SHA101015       | 95%      | 100%           | 100%             |
| SAU800519     | SPN401321       | 60%      | 96.6%          | 95.3%            |
| SAU800519     | VCH100065       | 35%      | 33.9%          | 37.5%            |
| SAU800519     | YPS000466       | 32%      | 25.8%          | 22.2%            |
| SAU800520     | BAN104549       | 56%      | 97.8%          | 91.6%            |
| SAU800520     | BAN104960       | 56%      | 100%           | 96.4%            |
| SAU800520     | CAC102975       | 41%      | 96.2%          | 98.9%            |



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|---------------|-----------------|----------|----------------|------------------|
| SAU800520     | CDP101491       | 41%      | 93.5%          | 95.7%            |
| SAU800520     | EFM201119       | 23%      | 78.5%          | 75.7%            |
| SAU800520     | HIN101614       | 44%      | 87.1%          | 96.6%            |
| SAU800520     | LMO100481       | 44%      | 97.8%          | 98.9%            |
| SAU800520     | MAV101842       | 42%      | 96.2%          | 94.9%            |
| SAU800520     | MBV100772       | 41%      | 99.5%          | 98.0%            |
| SAU800520     | MLP100291       | 40%      | 96.2%          | 84.3%            |
| SAU800520     | MTU202567       | 41%      | 99.5%          | 98.0%            |
| SAU800520     | PMU101233       | 50%      | 96.2%          | 95.3%            |
| SAU800520     | SAU800520       | 100%     | 100%           | 100%             |
| SAU800520     | SEP201863       | 80%      | 98.9%          | 98.9%            |
| SAU800520     | SHA101014       | 84%      | 98.9%          | 100%             |
| SAU800520     | SPN401320       | 46%      | 100%           | 100%             |
| SAU800523     | ABA103208       | 24%      | 38.8%          | 50%              |
| SAU800523     | BAN106494       | 32%      | 94.7%          | 94.5%            |
| SAU800523     | CPN200044       | 24%      | 95.2%          | 92.4%            |
| SAU800523     | CTR200047       | 29%      | 41.5%          | 49.2%            |
| SAU800523     | CAC101982       | 31%      | 94.7%          | 96%              |
| SAU800523     | CBO101445       | 30%      | 96.8%          | 98.3%            |
| SAU800523     | CDF100266       | 30%      | 94.7%          | 97.6%            |
| SAU800523     | LMO102833       | 29%      | 96.8%          | 98.8%            |
| SAU800523     | PAE203102       | 32%      | 34.6%          | 26.8%            |
| SAU800523     | SAU800523       | 100%     | 100%           | 100%             |
| SAU800523     | SEP201867       | 71%      | 99.5%          | 100%             |
| SAU800523     | SHA101374       | 73%      | 99.5%          | 100%             |
| SAU800524     | BAN106857       | 36%      | 93.7%          | 95.1%            |
| SAU800524     | BAN112005       | 41%      | 98.8%          | 97.2%            |
| SAU800524     | CPN100682       | 24%      | 77.3%          | 75.1%            |
| SAU800524     | CTR200046       | 26%      | 60%            | 56.2%            |
| SAU800524     | CAC101065       | 39%      | 97.6%          | 100%             |
| SAU800524     | CBO102797       | 36%      | 97.0%          | 95.8%            |
| SAU800524     | CDF100265       | 40%      | 96.4%          | 96.8%            |
| SAU800524     | LMO100281       | 43%      | 96.7%          | 96.5%            |
| SAU800524     | SAU800524       | 100%     | 100%           | 100%             |
| SAU800524     | SEP201868       | 79%      | 100%           | 98.2%            |
| SAU800524     | SHA101375       | 77%      | 98.5%          | 98.8%            |
| SAU800525     | BAN109395       | 58%      | 93.2%          | 95.6%            |
| SAU800525     | BAN104033       | 69%      | 98.8%          | 99.8%            |
| SAU800525     | BFR102278       | 46%      | 99.0%          | 99.4%            |
| SAU800525     | BBU100833       | 31%      | 95.1%          | 98.0%            |
| SAU800525     | BFU102993       | 46%      | 96.7%          | 83.5%            |
| SAU800525     | CPN200311       | 49%      | 99.6%          | 99.4%            |
| SAU800525     | CTR200551       | 50%      | 95.5%          | 92.9%            |
| SAU800525     | CAC101654       | 59%      | 97.4%          | 98.8%            |
| SAU800525     | CBO101582       | 59%      | 97.2%          | 98.3%            |
| SAU800525     | CDF100283       | 57%      | 96.8%          | 98.3%            |
| SAU800525     | CDP100633       | 55%      | 99.5%          | 95.6%            |
| SAU800525     | EFA200763       | 57%      | 22.1%          | 12.3%            |
| SAU800525     | EFM201642       | 56%      | 16.7%          | 7.6%             |
| SAU800525     | KPN202650       | 48%      | 97.6%          | 96.4%            |
| SAU800525     | LMO101646       | 70%      | 97.7%          | 97.4%            |
| SAU800525     | MAV100919       | 57%      | 97.3%          | 95.5%            |
| SAU800525     | MBV102380       | 58%      | 97.3%          | 94.9%            |
| SAU800525     | MLP100167       | 57%      | 97.3%          | 94.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800525     | MTU203544       | 58%      | 97.3%          | 94.9%            |
| SAU800525     | PAE200458       | 49%      | 97.1%          | 93.1%            |
| SAU800525     | PPU111611       | 48%      | 97.6%          | 86.0%            |
| SAU800525     | SAU800525       | 100%     | 100%           | 100%             |
| SAU800525     | SEP201869       | 93%      | 99.5%          | 99.6%            |
| SAU800525     | SHA101376       | 93%      | 99.0%          | 98.3%            |
| SAU800525     | SMU100618       | 44%      | 97.4%          | 99.1%            |
| SAU800525     | SPN401997       | 46%      | 88.8%          | 96.2%            |
| SAU800525     | SPY201584       | 42%      | 97.6%          | 99.3%            |
| SAU800526     | ABA102159       | 49%      | 99.6%          | 98.5%            |
| SAU800526     | BAN111588       | 53%      | 93.8%          | 98.6%            |
| SAU800526     | BAN107627       | 63%      | 99.6%          | 99.6%            |
| SAU800526     | BFR12344        | 50%      | 94.1%          | 98.6%            |
| SAU800526     | BPT100212       | 51%      | 98.7%          | 99.1%            |
| SAU800526     | BCE105510       | 49%      | 98.7%          | 98.5%            |
| SAU800526     | BFU116174       | 50%      | 97.4%          | 98.5%            |
| SAU800526     | BMA108374       | 50%      | 98.7%          | 98.5%            |
| SAU800526     | CJU101130       | 48%      | 93.2%          | 94.6%            |
| SAU800526     | CPN200710       | 47%      | 99.1%          | 99.3%            |
| SAU800526     | CTR200563       | 49%      | 98.2%          | 90.5%            |
| SAU800526     | CAC101532       | 49%      | 98.9%          | 99.3%            |
| SAU800526     | CBO101852       | 47%      | 98.9%          | 99.3%            |
| SAU800526     | CDF100282       | 50%      | 99.6%          | 99.1%            |
| SAU800526     | CDP100623       | 42%      | 99.6%          | 99.8%            |
| SAU800526     | EBC103585       | 45%      | 98.0%          | 97.8%            |
| SAU800526     | EFA200202       | 58%      | 98.7%          | 98.9%            |
| SAU800526     | EFM201370       | 58%      | 98.7%          | 97.0%            |
| SAU800526     | ECO104275       | 46%      | 98.9%          | 98.9%            |
| SAU800526     | HIN101564       | 44%      | 98.9%          | 95.4%            |
| SAU800526     | HPY100219       | 47%      | 93.4%          | 93.2%            |
| SAU800526     | KPN302185       | 45%      | 98.0%          | 98.5%            |
| SAU800526     | LPN100655       | 48%      | 93.4%          | 94.4%            |
| SAU800526     | LMO100194       | 64%      | 99.3%          | 98.9%            |
| SAU800526     | MCA100542       | 47%      | 98.7%          | 98.1%            |
| SAU800526     | MAV102717       | 41%      | 94.7%          | 93.9%            |
| SAU800526     | MBV100379       | 39%      | 94.7%          | 93.5%            |
| SAU800526     | MTU203533       | 39%      | 99.1%          | 93.8%            |
| SAU800526     | NGO100123       | 49%      | 100%           | 99.6%            |
| SAU800526     | NME200915       | 49%      | 100%           | 99.6%            |
| SAU800526     | PMU100252       | 45%      | 93.8%          | 94.1%            |
| SAU800526     | PRT105275       | 44%      | 98.9%          | 98.3%            |
| SAU800526     | PAE204607       | 49%      | 98.7%          | 98.9%            |
| SAU800526     | PPU108525       | 49%      | 98.7%          | 98.9%            |
| SAU800526     | PSY105300       | 52%      | 86.8%          | 93.8%            |
| SAU800526     | SPA101143       | 45%      | 98.0%          | 98.5%            |
| SAU800526     | STY104615       | 46%      | 98.9%          | 98.9%            |
| SAU800526     | STM100383       | 45%      | 98.0%          | 97.8%            |
| SAU800526     | SAU800526       | 100%     | 100%           | 100%             |
| SAU800526     | SEP201870       | 92%      | 100%           | 99.3%            |
| SAU800526     | SHA101377       | 91%      | 100%           | 100%             |
| SAU800526     | SMU100655       | 61%      | 98.7%          | 96.1%            |
| SAU800526     | SPN400025       | 62%      | 91.6%          | 98.8%            |
| SAU800526     | SPY200171       | 59%      | 98.9%          | 99.1%            |
| SAU800526     | TPA101012       | 40%      | 99.3%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800526     | VCH102308       | 44%      | 98.9%          | 98.7%            |
| SAU800526     | YPS000124       | 44%      | 98.9%          | 98.9%            |
| SAU800528     | ABA100922       | 33%      | 98.8%          | 96.1%            |
| SAU800528     | BAN110804       | 57%      | 99.6%          | 98.8%            |
| SAU800528     | BAN108869       | 68%      | 99.6%          | 99.4%            |
| SAU800528     | BFR102616       | 34%      | 95.0%          | 98.6%            |
| SAU800528     | BPT102905       | 38%      | 98.6%          | 92.9%            |
| SAU800528     | BBU100371       | 34%      | 98.3%          | 97.3%            |
| SAU800528     | BCE100150       | 43%      | 59.3%          | 99.3%            |
| SAU800528     | BFU100071       | 38%      | 98.3%          | 100%             |
| SAU800528     | BMA103736       | 39%      | 99.2%          | 98.9%            |
| SAU800528     | CJU101212       | 37%      | 99.8%          | 98.7%            |
| SAU800528     | CPN200187       | 38%      | 98.8%          | 92.7%            |
| SAU800528     | CTR200720       | 37%      | 98.3%          | 92.1%            |
| SAU800528     | CAC101596       | 35%      | 99.2%          | 97.9%            |
| SAU800528     | CBO103047       | 37%      | 99.4%          | 96.9%            |
| SAU800528     | CDF100252       | 43%      | 99.2%          | 98.8%            |
| SAU800528     | CDP100231       | 34%      | 99.4%          | 96.8%            |
| SAU800528     | EBC100212       | 37%      | 99.0%          | 98.7%            |
| SAU800528     | EFA200192       | 64%      | 99.0%          | 98.0%            |
| SAU800528     | EFM202131       | 64%      | 99.0%          | 99.0%            |
| SAU800528     | ECO102355       | 37%      | 99.0%          | 97.2%            |
| SAU800528     | HIN100261       | 36%      | 99.0%          | 95.2%            |
| SAU800528     | HPY100472       | 38%      | 99.0%          | 98.7%            |
| SAU800528     | KPN305021       | 44%      | 42.6%          | 99.5%            |
| SAU800528     | LPN103492       | 39%      | 98.6%          | 96.8%            |
| SAU800528     | LMO101411       | 69%      | 98.6%          | 97.6%            |
| SAU800528     | MCA102322       | 34%      | 98.6%          | 94.9%            |
| SAU800528     | MAV101415       | 33%      | 94.8%          | 97.2%            |
| SAU800528     | MBV101327       | 34%      | 98.6%          | 99.6%            |
| SAU800528     | MLP101032       | 34%      | 98.6%          | 95.4%            |
| SAU800528     | MTU202954       | 34%      | 99.2%          | 97.6%            |
| SAU800528     | MGE100471       | 41%      | 99.4%          | 98.3%            |
| SAU800528     | MPN100164       | 41%      | 99.4%          | 98.3%            |
| SAU800528     | NGO100018       | 36%      | 98.6%          | 99.4%            |
| SAU800528     | NME200234       | 36%      | 98.6%          | 99.4%            |
| SAU800528     | PMU101115       | 36%      | 99.0%          | 95.2%            |
| SAU800528     | PRT100735       | 37%      | 99.0%          | 97.0%            |
| SAU800528     | PAE203132       | 35%      | 98.8%          | 94.3%            |
| SAU800528     | PPU101878       | 34%      | 98.8%          | 94.5%            |
| SAU800528     | PSY105734       | 35%      | 98.8%          | 94.5%            |
| SAU800528     | SPA103535       | 34%      | 93.8%          | 91.9%            |
| SAU800528     | STY101161       | 38%      | 93.8%          | 91.4%            |
| SAU800528     | STM101572       | 26%      | 25.4%          | 20.7%            |
| SAU800528     | SAU800528       | 100%     | 100%           | 100%             |
| SAU800528     | SEP201872       | 89%      | 99.4%          | 99.4%            |
| SAU800528     | SHA101478       | 89%      | 95.9%          | 99.8%            |
| SAU800528     | SMU100660       | 58%      | 99.4%          | 98.6%            |
| SAU800528     | SPN401878       | 58%      | 99.4%          | 98.4%            |
| SAU800528     | SPY200174       | 58%      | 99.4%          | 99.4%            |
| SAU800528     | TPA100665       | 33%      | 98.6%          | 96.5%            |
| SAU800528     | UUR100606       | 42%      | 98.6%          | 98.1%            |
| SAU800528     | VCH102180       | 39%      | 98.6%          | 90.2%            |
| SAU800528     | YPS000590       | 38%      | 98.6%          | 96.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800529     | ABA101415       | 56%      | 80.3%          | 72.2%            |
| SAU800529     | BAN102387       | 62%      | 91.1%          | 89.8%            |
| SAU800529     | BAN101066       | 67%      | 95.3%          | 91.9%            |
| SAU800529     | BFR100721       | 40%      | 72.3%          | 54.5%            |
| SAU800529     | BPT102142       | 46%      | 71.8%          | 51.1%            |
| SAU800529     | BCE108070       | 56%      | 78.9%          | 63.3%            |
| SAU800529     | BFU100954       | 55%      | 78.9%          | 60.1%            |
| SAU800529     | BMA108518       | 53%      | 78.9%          | 64.8%            |
| SAU800529     | CJU100702       | 49%      | 77.9%          | 78.8%            |
| SAU800529     | CAC100612       | 61%      | 78.9%          | 90.3%            |
| SAU800529     | CBO103931       | 62%      | 77.0%          | 81.6%            |
| SAU800529     | CDF101107       | 60%      | 79.3%          | 84.9%            |
| SAU800529     | CDP101486       | 54%      | 77.0%          | 80.8%            |
| SAU800529     | EBC103197       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | EFA200191       | 46%      | 82.6%          | 98.3%            |
| SAU800529     | EFM200794       | 50%      | 76.5%          | 91.6%            |
| SAU800529     | ECO103529       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | HIN100586       | 49%      | 77.0%          | 61.4%            |
| SAU800529     | HPY101193       | 57%      | 76.5%          | 95.3%            |
| SAU800529     | KPN303402       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | LPN102556       | 29%      | 64.3%          | 58.3%            |
| SAU800529     | LMO102911       | 49%      | 94.4%          | 97.1%            |
| SAU800529     | MCA101510       | 56%      | 76.1%          | 60.8%            |
| SAU800529     | MAV104132       | 47%      | 97.2%          | 93.0%            |
| SAU800529     | MBV101558       | 55%      | 87.3%          | 80.8%            |
| SAU800529     | MLP100504       | 50%      | 94.4%          | 87.2%            |
| SAU800529     | MTU202301       | 55%      | 87.3%          | 80.8%            |
| SAU800529     | NGO101445       | 46%      | 76.1%          | 59.6%            |
| SAU800529     | NME200684       | 46%      | 76.1%          | 59.6%            |
| SAU800529     | PMU101430       | 47%      | 77.0%          | 62.1%            |
| SAU800529     | PRT100957       | 44%      | 78.9%          | 61.5%            |
| SAU800529     | PAE203813       | 50%      | 93.9%          | 82.6%            |
| SAU800529     | PPU104027       | 54%      | 78.9%          | 64.4%            |
| SAU800529     | PSY103766       | 54%      | 78.9%          | 65.1%            |
| SAU800529     | SPA102939       | 45%      | 77.5%          | 60.4%            |
| SAU800529     | STY100363       | 45%      | 77.5%          | 60.4%            |
| SAU800529     | SAU800529       | 100%     | 100%           | 100%             |
| SAU800529     | SEP201873       | 91%      | 100%           | 100%             |
| SAU800529     | SHA101479       | 88%      | 100%           | 100%             |
| SAU800529     | SMU101331       | 47%      | 78.4%          | 81.5%            |
| SAU800529     | SPN400517       | 51%      | 78.4%          | 81.5%            |
| SAU800529     | SPY201496       | 46%      | 91.5%          | 94.3%            |
| SAU800529     | VCH102612       | 45%      | 75.6%          | 59.0%            |
| SAU800529     | YPS001567       | 46%      | 75.6%          | 59.0%            |
| SAU800530     | ABA100096       | 41%      | 75.2%          | 98.5%            |
| SAU800530     | BAN107039       | 51%      | 76.5%          | 99.6%            |
| SAU800530     | BAN103770       | 62%      | 76.5%          | 99.6%            |
| SAU800530     | BFR10199        | 38%      | 76.2%          | 98.6%            |
| SAU800530     | BPT101394       | 40%      | 75.8%          | 98.8%            |
| SAU800530     | BBU100598       | 31%      | 76.6%          | 99.8%            |
| SAU800530     | BCE112863       | 42%      | 75.5%          | 92.7%            |
| SAU800530     | BFU100950       | 41%      | 75.7%          | 98.1%            |
| SAU800530     | BMA109903       | 41%      | 75.5%          | 97.8%            |
| SAU800530     | CJU100741       | 35%      | 76.0%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800530     | CPN200914       | 38%      | 75.7%          | 97.3%            |
| SAU800530     | CTR200159       | 38%      | 76.0%          | 98.9%            |
| SAU800530     | CAC101178       | 49%      | 75.8%          | 98.7%            |
| SAU800530     | CBO101748       | 50%      | 76.0%          | 99.4%            |
| SAU800530     | CDF102964       | 50%      | 97.7%          | 100%             |
| SAU800530     | CDP100610       | 37%      | 75.5%          | 98.1%            |
| SAU800530     | EBC103357       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | EFA200190       | 57%      | 77.1%          | 99.2%            |
| SAU800530     | EFM201665       | 58%      | 76.5%          | 99.6%            |
| SAU800530     | ECO100517       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | HIN100077       | 41%      | 76.5%          | 99.8%            |
| SAU800530     | HPY100872       | 38%      | 76.0%          | 99.1%            |
| SAU800530     | KPN303880       | 49%      | 19.2%          | 100%             |
| SAU800530     | LPN102830       | 44%      | 76.5%          | 99.3%            |
| SAU800530     | LMO101610       | 59%      | 76.5%          | 99.6%            |
| SAU800530     | MCA100755       | 40%      | 76.3%          | 97.7%            |
| SAU800530     | MAV102725       | 35%      | 76.5%          | 97.9%            |
| SAU800530     | MBV100384       | 35%      | 75.5%          | 79.9%            |
| SAU800530     | MLP100222       | 34%      | 76.2%          | 96.4%            |
| SAU800530     | MTU203528       | 35%      | 75.5%          | 96.4%            |
| SAU800530     | MGE100257       | 34%      | 69.9%          | 94.6%            |
| SAU800530     | MPN100480       | 33%      | 74.2%          | 98.2%            |
| SAU800530     | NGO100962       | 42%      | 76.6%          | 100%             |
| SAU800530     | NME200324       | 42%      | 76.6%          | 67.7%            |
| SAU800530     | PMU100945       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | PRT104466       | 44%      | 76.5%          | 99.6%            |
| SAU800530     | PAE201794       | 44%      | 76.3%          | 99.3%            |
| SAU800530     | PPU110625       | 44%      | 75.2%          | 97.8%            |
| SAU800530     | PSY100232       | 42%      | 72.7%          | 99.8%            |
| SAU800530     | SPA100734       | 43%      | 75.5%          | 98.9%            |
| SAU800530     | STY101290       | 44%      | 76.5%          | 99.8%            |
| SAU800530     | STM100673       | 44%      | 76.5%          | 99.8%            |
| SAU800530     | SAU800530       | 100%     | 100%           | 100%             |
| SAU800530     | SEP201874       | 84%      | 100%           | 100%             |
| SAU800530     | SHA101480       | 88%      | 76.6%          | 100%             |
| SAU800530     | SMU101332       | 51%      | 98.2%          | 100%             |
| SAU800530     | SPN400519       | 51%      | 76.5%          | 99.8%            |
| SAU800530     | SPY201494       | 50%      | 76.5%          | 99.8%            |
| SAU800530     | TPA100090       | 33%      | 76.3%          | 99.4%            |
| SAU800530     | UUR100122       | 37%      | 70.9%          | 95.9%            |
| SAU800530     | VCH101818       | 43%      | 76.5%          | 99.8%            |
| SAU800530     | YPS001481       | 42%      | 76.5%          | 99.8%            |
| SAU800532     | ABA104918       | 25%      | 69.5%          | 20.8%            |
| SAU800532     | BAN106938       | 37%      | 94.8%          | 96.5%            |
| SAU800532     | BAN107328       | 38%      | 94.8%          | 96.5%            |
| SAU800532     | CAC101411       | 36%      | 94.3%          | 97.1%            |
| SAU800532     | CBO102935       | 40%      | 95.4%          | 98.2%            |
| SAU800532     | CDF100246       | 35%      | 86.2%          | 98.7%            |
| SAU800532     | EFA200188       | 39%      | 100%           | 99.4%            |
| SAU800532     | EFM200410       | 37%      | 95.4%          | 94.3%            |
| SAU800532     | LMO102454       | 40%      | 96.6%          | 98.2%            |
| SAU800532     | SAU800532       | 100%     | 100%           | 100%             |
| SAU800532     | SEP201876       | 84%      | 100%           | 99.4%            |
| SAU800532     | SHA101483       | 80%      | 100%           | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800532     | SPY201490       | 37%      | 87.9%          | 89.0%            |
| SAU800534     | ABA105627       | 26%      | 86.7%          | 73.2%            |
| SAU800534     | BAN102018       | 47%      | 91.7%          | 93.2%            |
| SAU800534     | BPT104544       | 36%      | 80%            | 38.9%            |
| SAU800534     | CPN200688       | 33%      | 96.7%          | 79.5%            |
| SAU800534     | CTR200587       | 32%      | 95%            | 70.7%            |
| SAU800534     | CAC103674       | 28%      | 88.3%          | 69.7%            |
| SAU800534     | CBO101188       | 28%      | 88.3%          | 67.9%            |
| SAU800534     | CDF103578       | 36%      | 86.7%          | 71.2%            |
| SAU800534     | CDP100846       | 40%      | 91.7%          | 50.5%            |
| SAU800534     | EFA202706       | 42%      | 70%            | 75%              |
| SAU800534     | HIN100695       | 33%      | 93.3%          | 52.8%            |
| SAU800534     | LMO100602       | 46%      | 96.7%          | 98.3%            |
| SAU800534     | MCA102273       | 27%      | 90%            | 34.4%            |
| SAU800534     | MAV102333       | 32%      | 91.7%          | 37.4%            |
| SAU800534     | MBV103153       | 34%      | 91.7%          | 34.2%            |
| SAU800534     | MLP101156       | 30%      | 91.7%          | 37.7%            |
| SAU800534     | MTU200635       | 34%      | 91.7%          | 34.2%            |
| SAU800534     | NGO103134       | 34%      | 81.7%          | 53.3%            |
| SAU800534     | NME200142       | 35%      | 85%            | 58.7%            |
| SAU800534     | PMU101745       | 33%      | 93.3%          | 41.2%            |
| SAU800534     | PAE204274       | 30%      | 98.3%          | 50.8%            |
| SAU800534     | PPU104465       | 38%      | 78.3%          | 41.0%            |
| SAU800534     | PSY108284       | 34%      | 76.7%          | 40.2%            |
| SAU800534     | SAU800534       | 100%     | 100%           | 100%             |
| SAU800534     | SEP201879       | 90%      | 100%           | 100%             |
| SAU800534     | SHA101486       | 80%      | 91.7%          | 75.3%            |
| SAU800534     | SMU101770       | 26%      | 76.7%          | 79.3%            |
| SAU800534     | SPY201576       | 28%      | 70%            | 72.4%            |
| SAU800534     | UUR100587       | 25%      | 86.7%          | 31.3%            |
| SAU800535     | ABA101112       | 39%      | 95.6%          | 98.3%            |
| SAU800535     | BAN107620       | 66%      | 96.2%          | 98.9%            |
| SAU800535     | BFR10520        | 39%      | 95.6%          | 96.7%            |
| SAU800535     | BPT100046       | 46%      | 96.2%          | 98.9%            |
| SAU800535     | BBU100393       | 34%      | 96.7%          | 99.5%            |
| SAU800535     | BCE106900       | 46%      | 96.2%          | 94.6%            |
| SAU800535     | BFU104521       | 48%      | 96.2%          | 94.6%            |
| SAU800535     | BMA104447       | 45%      | 99.5%          | 97.8%            |
| SAU800535     | CJU100438       | 34%      | 95.6%          | 97.2%            |
| SAU800535     | CPN200687       | 40%      | 95.6%          | 95.1%            |
| SAU800535     | CTR200586       | 41%      | 95.6%          | 95.1%            |
| SAU800535     | CAC102306       | 56%      | 100%           | 99.4%            |
| SAU800535     | CBO103872       | 58%      | 100%           | 99.4%            |
| SAU800535     | CDF104265       | 45%      | 98.4%          | 98.9%            |
| SAU800535     | CDP100848       | 40%      | 95.1%          | 72.2%            |
| SAU800535     | EBC102887       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | EFA200831       | 58%      | 98.4%          | 98.9%            |
| SAU800535     | EFM202000       | 64%      | 90.7%          | 99.4%            |
| SAU800535     | ECO103880       | 40%      | 97.8%          | 98.3%            |
| SAU800535     | HIN100696       | 41%      | 100%           | 99.5%            |
| SAU800535     | HPY101186       | 34%      | 95.1%          | 97.7%            |
| SAU800535     | KPN300526       | 43%      | 49.5%          | 96.8%            |
| SAU800535     | LMO102609       | 69%      | 96.2%          | 98.9%            |
| SAU800535     | MCA100998       | 36%      | 95.6%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800535     | MAV102335       | 45%      | 95.1%          | 74.2%            |
| SAU800535     | MBV103155       | 44%      | 95.1%          | 79.8%            |
| SAU800535     | MLP101155       | 44%      | 95.1%          | 83.3%            |
| SAU800535     | MTU200636       | 44%      | 95.1%          | 79.8%            |
| SAU800535     | MGE100054       | 27%      | 53.8%          | 39.6%            |
| SAU800535     | MPN100087       | 26%      | 53.8%          | 39.1%            |
| SAU800535     | NGO101670       | 42%      | 96.7%          | 98.9%            |
| SAU800535     | NME200141       | 42%      | 96.7%          | 98.9%            |
| SAU800535     | PMU101744       | 40%      | 99.5%          | 98.9%            |
| SAU800535     | PRT103295       | 40%      | 95.6%          | 96.1%            |
| SAU800535     | PAE204273       | 41%      | 96.7%          | 99.4%            |
| SAU800535     | PPU108806       | 41%      | 96.7%          | 99.4%            |
| SAU800535     | PSY103335       | 41%      | 96.2%          | 98.9%            |
| SAU800535     | SPA102796       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | STY102686       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | STM102044       | 41%      | 97.8%          | 98.3%            |
| SAU800535     | SAU800535       | 100%     | 100%           | 100%             |
| SAU800535     | SEP201880       | 96%      | 100%           | 100%             |
| SAU800535     | SHA101487       | 96%      | 100%           | 100%             |
| SAU800535     | SMU100495       | 52%      | 96.2%          | 97.2%            |
| SAU800535     | SPN401818       | 50%      | 96.2%          | 94.5%            |
| SAU800535     | SPY200119       | 52%      | 96.2%          | 96.6%            |
| SAU800535     | TPA100233       | 43%      | 96.7%          | 99.5%            |
| SAU800535     | UUR100588       | 25%      | 94.5%          | 86.4%            |
| SAU800535     | VCH100318       | 41%      | 98.4%          | 98.4%            |
| SAU800535     | YPS000502       | 40%      | 97.8%          | 98.3%            |
| SAU800536     | SAU800536       | 100%     | 100%           | 100%             |
| SAU800537     | ABA106058       | 66%      | 100%           | 99.3%            |
| SAU800537     | BAN106044       | 80%      | 80.7%          | 99.1%            |
| SAU800537     | BFR10521        | 60%      | 100%           | 95.2%            |
| SAU800537     | BPT100048       | 62%      | 100%           | 98.6%            |
| SAU800537     | BBU100392       | 53%      | 98.6%          | 97.2%            |
| SAU800537     | BCE100591       | 62%      | 100%           | 98.6%            |
| SAU800537     | BFU104508       | 63%      | 100%           | 92.8%            |
| SAU800537     | BMA106139       | 63%      | 100%           | 98.6%            |
| SAU800537     | CJU100439       | 62%      | 99.3%          | 98.6%            |
| SAU800537     | CPN200686       | 62%      | 98.6%          | 97.9%            |
| SAU800537     | CTR200585       | 58%      | 98.6%          | 97.9%            |
| SAU800537     | CAC101038       | 71%      | 99.3%          | 98.6%            |
| SAU800537     | CBO102195       | 77%      | 100%           | 99.3%            |
| SAU800537     | CDF104047       | 74%      | 100%           | 99.3%            |
| SAU800537     | CDP100850       | 67%      | 98.6%          | 97.2%            |
| SAU800537     | EBC102886       | 67%      | 100%           | 99.3%            |
| SAU800537     | EFA200839       | 85%      | 100%           | 100%             |
| SAU800537     | ECO103881       | 67%      | 100%           | 99.3%            |
| SAU800537     | HIN100496       | 68%      | 100%           | 99.3%            |
| SAU800537     | HPY101185       | 64%      | 99.3%          | 98.6%            |
| SAU800537     | KPN300527       | 67%      | 100%           | 99.3%            |
| SAU800537     | LMO100036       | 82%      | 100%           | 99.3%            |
| SAU800537     | MCA100999       | 65%      | 100%           | 98.6%            |
| SAU800537     | MAV102318       | 69%      | 98.6%          | 97.2%            |
| SAU800537     | MBV103157       | 71%      | 98.6%          | 97.2%            |
| SAU800537     | MLP101154       | 68%      | 98.6%          | 97.2%            |
| SAU800537     | MTU200637       | 71%      | 98.6%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800537     | MGE100083       | 44%      | 99.3%          | 98.5%            |
| SAU800537     | MPN100612       | 45%      | 99.3%          | 98.5%            |
| SAU800537     | NGO101667       | 62%      | 100%           | 97.9%            |
| SAU800537     | NME200140       | 62%      | 100%           | 97.9%            |
| SAU800537     | PMU101743       | 68%      | 100%           | 99.3%            |
| SAU800537     | PAE204272       | 65%      | 100%           | 98.6%            |
| SAU800537     | PPU104469       | 65%      | 100%           | 98.6%            |
| SAU800537     | PSY106552       | 63%      | 100%           | 95.9%            |
| SAU800537     | SPA107834       | 71%      | 62.9%          | 90.7%            |
| SAU800537     | STY102683       | 67%      | 100%           | 99.3%            |
| SAU800537     | STM102055       | 67%      | 100%           | 99.3%            |
| SAU800537     | SAU800537       | 100%     | 100%           | 100%             |
| SAU800537     | SEP201881       | 95%      | 100%           | 100%             |
| SAU800537     | SHA101488       | 95%      | 99.3%          | 98.6%            |
| SAU800537     | SMU101147       | 79%      | 99.3%          | 98.6%            |
| SAU800537     | SPN400555       | 82%      | 99.3%          | 98.6%            |
| SAU800537     | SPY200329       | 82%      | 99.3%          | 98.6%            |
| SAU800537     | TPA100234       | 56%      | 98.6%          | 95.2%            |
| SAU800537     | UUR100547       | 47%      | 98.6%          | 89.3%            |
| SAU800537     | VCH100319       | 67%      | 100%           | 99.3%            |
| SAU800537     | YPS000498       | 68%      | 100%           | 99.3%            |
| SAU800538     | ABA104945       | 47%      | 97.8%          | 97.4%            |
| SAU800538     | BAN101496       | 66%      | 40%            | 97.9%            |
| SAU800538     | BAN103921       | 57%      | 99.1%          | 99.6%            |
| SAU800538     | BFR10522        | 53%      | 99.1%          | 98.3%            |
| SAU800538     | BPT100050       | 54%      | 99.1%          | 98.3%            |
| SAU800538     | BBU100391       | 46%      | 97.8%          | 98.2%            |
| SAU800538     | BCE101116       | 52%      | 99.1%          | 98.3%            |
| SAU800538     | BFU100848       | 53%      | 99.1%          | 98.3%            |
| SAU800538     | BMA108405       | 51%      | 99.1%          | 98.3%            |
| SAU800538     | CJU100440       | 51%      | 98.3%          | 97.0%            |
| SAU800538     | CPN200685       | 53%      | 98.3%          | 97.4%            |
| SAU800538     | CTR200584       | 53%      | 98.3%          | 97.4%            |
| SAU800538     | CAC102626       | 65%      | 96.1%          | 96.9%            |
| SAU800538     | CBO103496       | 64%      | 96.1%          | 96.9%            |
| SAU800538     | CDF100546       | 63%      | 98.7%          | 98.3%            |
| SAU800538     | CDP100852       | 56%      | 97.8%          | 95.7%            |
| SAU800538     | EBC102885       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | EFA200840       | 73%      | 99.6%          | 100%             |
| SAU800538     | ECO103882       | 52%      | 98.7%          | 97.0%            |
| SAU800538     | HIN100495       | 50%      | 99.1%          | 99.6%            |
| SAU800538     | HPY101184       | 53%      | 97.8%          | 96.6%            |
| SAU800538     | KPN300590       | 54%      | 49.6%          | 91.1%            |
| SAU800538     | LMO100406       | 74%      | 99.1%          | 99.6%            |
| SAU800538     | MCA101000       | 48%      | 97.8%          | 96.6%            |
| SAU800538     | MAV102320       | 54%      | 97.8%          | 95.7%            |
| SAU800538     | MBV103159       | 54%      | 97.8%          | 99.1%            |
| SAU800538     | MLP101153       | 56%      | 97.8%          | 95.7%            |
| SAU800538     | MTU200638       | 54%      | 97.8%          | 95.7%            |
| SAU800538     | MGE100084       | 43%      | 97.4%          | 98.2%            |
| SAU800538     | MPN100611       | 45%      | 97.4%          | 98.2%            |
| SAU800538     | NGO101665       | 53%      | 99.1%          | 98.7%            |
| SAU800538     | NME200139       | 53%      | 99.1%          | 98.7%            |
| SAU800538     | PMU101742       | 51%      | 99.1%          | 99.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800538     | PAE204271       | 52%      | 100%           | 99.6%            |
| SAU800538     | PPU104471       | 48%      | 99.1%          | 98.7%            |
| SAU800538     | PSY103536       | 47%      | 100%           | 99.6%            |
| SAU800538     | SPA102795       | 52%      | 98.7%          | 97.0%            |
| SAU800538     | STY102680       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | STM102056       | 53%      | 98.7%          | 97.0%            |
| SAU800538     | SAU800538       | 100%     | 100%           | 100%             |
| SAU800538     | SEP201882       | 93%      | 100%           | 99.6%            |
| SAU800538     | SHA101489       | 94%      | 100%           | 99.6%            |
| SAU800538     | SMU101145       | 65%      | 99.6%          | 100%             |
| SAU800538     | SPN400556       | 64%      | 99.1%          | 99.6%            |
| SAU800538     | SPY200330       | 66%      | 99.1%          | 99.6%            |
| SAU800538     | TPA100235       | 46%      | 95.7%          | 96.0%            |
| SAU800538     | UUR100546       | 47%      | 97.4%          | 97.8%            |
| SAU800538     | VCH100320       | 52%      | 97.8%          | 96.6%            |
| SAU800538     | YPS000494       | 52%      | 97.8%          | 96.2%            |
| SAU800539     | ABA104908       | 36%      | 99.4%          | 99.4%            |
| SAU800539     | BAN101384       | 64%      | 98.2%          | 98.2%            |
| SAU800539     | BAN106254       | 65%      | 98.2%          | 98.2%            |
| SAU800539     | BFR101778       | 25%      | 92.2%          | 90.6%            |
| SAU800539     | BPT104548       | 41%      | 94.6%          | 89.7%            |
| SAU800539     | BBU100390       | 32%      | 97.0%          | 95.8%            |
| SAU800539     | BCE110567       | 41%      | 96.4%          | 96.4%            |
| SAU800539     | BFU104512       | 42%      | 94.6%          | 77.6%            |
| SAU800539     | BMA104533       | 41%      | 96.4%          | 86.4%            |
| SAU800539     | CJU100441       | 31%      | 93.4%          | 95.6%            |
| SAU800539     | CPN200684       | 27%      | 85.5%          | 84.1%            |
| SAU800539     | CTR200583       | 28%      | 85.5%          | 83.1%            |
| SAU800539     | CAC103420       | 44%      | 94.6%          | 93.5%            |
| SAU800539     | CBO103649       | 43%      | 94.6%          | 94.6%            |
| SAU800539     | CDF100545       | 47%      | 100%           | 94.9%            |
| SAU800539     | CDP100855       | 39%      | 83.7%          | 87.1%            |
| SAU800539     | EFA200841       | 60%      | 98.2%          | 98.2%            |
| SAU800539     | EFM100720       | 57%      | 98.2%          | 97.6%            |
| SAU800539     | ECO103883       | 34%      | 97.6%          | 98.8%            |
| SAU800539     | HIN100621       | 33%      | 99.4%          | 100%             |
| SAU800539     | HPY101183       | 31%      | 94.6%          | 94.5%            |
| SAU800539     | KPN304658       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | LMO101102       | 62%      | 97.6%          | 97.6%            |
| SAU800539     | MCA101001       | 33%      | 99.4%          | 99.4%            |
| SAU800539     | MAV102938       | 41%      | 92.8%          | 83.7%            |
| SAU800539     | MBV100919       | 41%      | 92.8%          | 92.1%            |
| SAU800539     | MLP101148       | 40%      | 92.8%          | 92.7%            |
| SAU800539     | MTU200648       | 41%      | 92.8%          | 92.1%            |
| SAU800539     | MGE100371       | 32%      | 92.8%          | 95.7%            |
| SAU800539     | MPN100304       | 34%      | 94.6%          | 100%             |
| SAU800539     | NGO101663       | 42%      | 97.0%          | 96.4%            |
| SAU800539     | NME200138       | 42%      | 97.0%          | 96.4%            |
| SAU800539     | PMU101739       | 33%      | 99.4%          | 100%             |
| SAU800539     | PRT103043       | 36%      | 97.6%          | 98.8%            |
| SAU800539     | PAE204270       | 40%      | 99.4%          | 99.4%            |
| SAU800539     | PPU104473       | 38%      | 97.0%          | 82.6%            |
| SAU800539     | PSY103338       | 36%      | 99.4%          | 99.4%            |
| SAU800539     | SPA102794       | 33%      | 97.6%          | 98.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800539     | STY102677       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | STM102057       | 33%      | 97.6%          | 98.8%            |
| SAU800539     | SAU800539       | 100%     | 100%           | 100%             |
| SAU800539     | SEP201883       | 90%      | 100%           | 100%             |
| SAU800539     | SHA101633       | 89%      | 100%           | 100%             |
| SAU800539     | SMU100974       | 60%      | 98.2%          | 97.6%            |
| SAU800539     | SPN401211       | 55%      | 98.2%          | 98.2%            |
| SAU800539     | SPY200814       | 55%      | 96.4%          | 96.4%            |
| SAU800539     | TPA100236       | 35%      | 96.4%          | 88.9%            |
| SAU800539     | UUR100008       | 38%      | 94.0%          | 94.0%            |
| SAU800539     | VCH100321       | 39%      | 97.6%          | 98.8%            |
| SAU800539     | YPS000491       | 34%      | 97.6%          | 98.8%            |
| SAU800540     | ABA105381       | 61%      | 67.2%          | 95.3%            |
| SAU800540     | BAN106592       | 72%      | 96.7%          | 97.5%            |
| SAU800540     | BAN112078       | 79%      | 96.7%          | 97.5%            |
| SAU800540     | BFR106071       | 58%      | 100%           | 100%             |
| SAU800540     | BPT104549       | 63%      | 95.9%          | 95.3%            |
| SAU800540     | BBU100389       | 53%      | 98.4%          | 97.6%            |
| SAU800540     | BCE104254       | 64%      | 96.7%          | 96.0%            |
| SAU800540     | BFU104514       | 64%      | 96.7%          | 96.0%            |
| SAU800540     | BMA108492       | 65%      | 96.7%          | 96.0%            |
| SAU800540     | CJU100442       | 58%      | 96.7%          | 96%              |
| SAU800540     | CPN200683       | 44%      | 96.7%          | 93.8%            |
| SAU800540     | CTR200582       | 49%      | 96.7%          | 93.8%            |
| SAU800540     | CAC103770       | 72%      | 96.7%          | 97.6%            |
| SAU800540     | CBO100998       | 73%      | 96.7%          | 97.6%            |
| SAU800540     | CDF100554       | 67%      | 96.7%          | 95.2%            |
| SAU800540     | CDP100862       | 61%      | 96.7%          | 95.2%            |
| SAU800540     | EBC100455       | 60%      | 96.7%          | 95.9%            |
| SAU800540     | EFA200842       | 64%      | 98.4%          | 97.5%            |
| SAU800540     | EFM100721       | 70%      | 98.4%          | 97.5%            |
| SAU800540     | ECO103884       | 58%      | 96.7%          | 95.9%            |
| SAU800540     | HIN100622       | 63%      | 97.5%          | 96.7%            |
| SAU800540     | HPY101182       | 55%      | 96.7%          | 96%              |
| SAU800540     | KPN205542       | 58%      | 96.7%          | 95.9%            |
| SAU800540     | LMO102795       | 72%      | 98.4%          | 97.5%            |
| SAU800540     | MCA101002       | 60%      | 97.5%          | 96.8%            |
| SAU800540     | MAV102937       | 57%      | 96.7%          | 95.4%            |
| SAU800540     | MBV100917       | 55%      | 96.7%          | 95.4%            |
| SAU800540     | MLP101147       | 52%      | 96.7%          | 95.4%            |
| SAU800540     | MTU200649       | 55%      | 96.7%          | 95.4%            |
| SAU800540     | MGE100372       | 47%      | 96.7%          | 95.1%            |
| SAU800540     | MPN100303       | 45%      | 95.9%          | 94.3%            |
| SAU800540     | NGO101640       | 63%      | 96.7%          | 95.9%            |
| SAU800540     | NME200137       | 63%      | 96.7%          | 95.9%            |
| SAU800540     | PMU101738       | 62%      | 97.5%          | 96.7%            |
| SAU800540     | PRT100056       | 55%      | 96.7%          | 95.9%            |
| SAU800540     | PAE204269       | 57%      | 97.5%          | 96.7%            |
| SAU800540     | PPU104475       | 59%      | 97.5%          | 96.7%            |
| SAU800540     | PSY108092       | 58%      | 51.6%          | 98.4%            |
| SAU800540     | SPA107849       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | STY102674       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | STM107215       | 59%      | 96.7%          | 95.9%            |
| SAU800540     | SAU800540       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800540     | SEP201884       | 95%      | 100%           | 100%             |
| SAU800540     | SHA101634       | 94%      | 100%           | 100%             |
| SAU800540     | SMU100975       | 67%      | 98.4%          | 97.5%            |
| SAU800540     | SPN401210       | 69%      | 98.4%          | 93.7%            |
| SAU800540     | SPY200815       | 69%      | 98.4%          | 97.5%            |
| SAU800540     | TPA100237       | 53%      | 97.5%          | 96.1%            |
| SAU800540     | UUR100009       | 54%      | 95.9%          | 94.2%            |
| SAU800540     | VCH100322       | 60%      | 97.5%          | 96.7%            |
| SAU800540     | YPS005201       | 55%      | 96.7%          | 95.1%            |
| SAU800541     | ABA105495       | 27%      | 87.6%          | 51.9%            |
| SAU800541     | BAN109779       | 34%      | 98.5%          | 98.5%            |
| SAU800541     | BAN106573       | 47%      | 98.5%          | 98.0%            |
| SAU800541     | CAC102355       | 23%      | 60.9%          | 63.6%            |
| SAU800541     | CDP100325       | 25%      | 55.9%          | 21.5%            |
| SAU800541     | EBC100359       | 32%      | 90.1%          | 78.8%            |
| SAU800541     | EFA202368       | 47%      | 99.0%          | 97.5%            |
| SAU800541     | EFM103156       | 61%      | 23.3%          | 97.9%            |
| SAU800541     | ECO104257       | 31%      | 82.7%          | 47.2%            |
| SAU800541     | HIN100011       | 36%      | 64.9%          | 39.1%            |
| SAU800541     | KPN302168       | 31%      | 76.2%          | 46.3%            |
| SAU800541     | LMO100106       | 48%      | 99.0%          | 98.0%            |
| SAU800541     | MCA101670       | 29%      | 83.2%          | 77.0%            |
| SAU800541     | MAV100438       | 32%      | 38.1%          | 32.8%            |
| SAU800541     | PMU100958       | 35%      | 64.9%          | 39.3%            |
| SAU800541     | PRT100948       | 27%      | 83.2%          | 48.4%            |
| SAU800541     | PAE202177       | 33%      | 59.9%          | 42.4%            |
| SAU800541     | PPU108553       | 28%      | 90.1%          | 48.4%            |
| SAU800541     | PSY109074       | 27%      | 90.6%          | 48.7%            |
| SAU800541     | SPA102412       | 24%      | 95.5%          | 50.1%            |
| SAU800541     | STY104541       | 31%      | 82.7%          | 47.4%            |
| SAU800541     | SAU800541       | 100%     | 100%           | 100%             |
| SAU800541     | SEP201885       | 71%      | 99.5%          | 99.5%            |
| SAU800541     | SHA101635       | 73%      | 99.5%          | 99.5%            |
| SAU800541     | SMU100923       | 46%      | 98.0%          | 96.5%            |
| SAU800541     | SPN400743       | 45%      | 98.0%          | 97.4%            |
| SAU800541     | SPY200944       | 45%      | 98.0%          | 97.0%            |
| SAU800541     | VCH100611       | 27%      | 87.6%          | 50.3%            |
| SAU800541     | YPS001891       | 28%      | 82.7%          | 42.3%            |
| SAU800542     | ABA104003       | 60%      | 8.5%           | 1.8%             |
| SAU800542     | BAN107104       | 46%      | 84.2%          | 84.9%            |
| SAU800542     | BAN105134       | 79%      | 99.9%          | 99.8%            |
| SAU800542     | BFR12467        | 42%      | 93.2%          | 98.5%            |
| SAU800542     | BPT100051       | 47%      | 95.8%          | 98.5%            |
| SAU800542     | BBU100388       | 48%      | 96.5%          | 98.7%            |
| SAU800542     | BCE104307       | 45%      | 95.8%          | 99.1%            |
| SAU800542     | BFU100849       | 45%      | 82.4%          | 96.9%            |
| SAU800542     | BMA104886       | 46%      | 95.8%          | 99.1%            |
| SAU800542     | CJU100443       | 41%      | 96.4%          | 99.3%            |
| SAU800542     | CPN200682       | 47%      | 28.5%          | 77.9%            |
| SAU800542     | CTR200581       | 47%      | 95.8%          | 99.3%            |
| SAU800542     | CAC102610       | 64%      | 98.7%          | 95.2%            |
| SAU800542     | CBO100154       | 64%      | 99.3%          | 96.5%            |
| SAU800542     | CDF100552       | 66%      | 97.4%          | 94.3%            |
| SAU800542     | CDP100874       | 62%      | 8.0%           | 0.9%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800542     | EBC101233       | 48%      | 74.4%          | 93.7%            |
| SAU800542     | EFA200805       | 73%      | 99.7%          | 98.1%            |
| SAU800542     | EFM202205       | 73%      | 100%           | 98.0%            |
| SAU800542     | ECO103885       | 53%      | 0.8%           | 6.9%             |
| SAU800542     | HIN100494       | 60%      | 1.1%           | 6.1%             |
| SAU800542     | KPN302483       | 48%      | 91.2%          | 100%             |
| SAU800542     | LPN101720       | 62%      | 5.7%           | 95.7%            |
| SAU800542     | LMO101542       | 79%      | 99.2%          | 98.4%            |
| SAU800542     | MCA101003       | 47%      | 96.3%          | 99.5%            |
| SAU800542     | MAV102933       | 61%      | 8.0%           | 1.0%             |
| SAU800542     | MBV100910       | 60%      | 6.1%           | 0.6%             |
| SAU800542     | MLP101145       | 61%      | 8.0%           | 1.0%             |
| SAU800542     | MTU200664       | 60%      | 6.1%           | 0.6%             |
| SAU800542     | MGE100350       | 44%      | 4.1%           | 0.3%             |
| SAU800542     | MPN100326       | 45%      | 4.1%           | 0.3%             |
| SAU800542     | NME200136       | 51%      | 11.7%          | 0.9%             |
| SAU800542     | PMU101737       | 53%      | 0.2%           | 7.6%             |
| SAU800542     | PAE204268       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | PPU104497       | 45%      | 96.2%          | 99.5%            |
| SAU800542     | PSY103339       | 46%      | 96.2%          | 99.5%            |
| SAU800542     | SPA102792       | 59%      | 8.5%           | 2.5%             |
| SAU800542     | STY102671       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | STM102058       | 47%      | 96.2%          | 99.5%            |
| SAU800542     | SAU800542       | 100%     | 100%           | 100%             |
| SAU800542     | SEP201886       | 97%      | 100%           | 100%             |
| SAU800542     | SHA101636       | 90%      | 95.8%          | 100%             |
| SAU800542     | SMU100556       | 69%      | 98.3%          | 97.9%            |
| SAU800542     | SPN401775       | 68%      | 98.3%          | 95.6%            |
| SAU800542     | SPY200071       | 67%      | 100%           | 99.8%            |
| SAU800542     | TPA100238       | 48%      | 96.4%          | 97.9%            |
| SAU800542     | UUR100187       | 47%      | 2.9%           | 9.8%             |
| SAU800542     | VCH100323       | 47%      | 96.2%          | 97.0%            |
| SAU800542     | YPS000489       | 53%      | 0.8%           | 6.9%             |
| SAU800543     | ABA100041       | 37%      | 11.4%          | 74.4%            |
| SAU800543     | ABA104621       | 52%      | 97.3%          | 95.8%            |
| SAU800543     | BAN107772       | 44%      | 99.5%          | 99.6%            |
| SAU800543     | BAN101907       | 76%      | 100%           | 99.9%            |
| SAU800543     | BFR102987       | 53%      | 98.0%          | 97.5%            |
| SAU800543     | BPT101163       | 54%      | 99.3%          | 96.8%            |
| SAU800543     | BBU100387       | 55%      | 98.4%          | 99.3%            |
| SAU800543     | BCE108518       | 60%      | 47.9%          | 97.2%            |
| SAU800543     | BFU100842       | 52%      | 81.6%          | 62.0%            |
| SAU800543     | BMA101246       | 50%      | 97.3%          | 95.8%            |
| SAU800543     | CJU100444       | 47%      | 98.3%          | 98.8%            |
| SAU800543     | CPN200681       | 50%      | 97.9%          | 96.9%            |
| SAU800543     | CTR200580       | 54%      | 97.9%          | 97.1%            |
| SAU800543     | CAC100576       | 63%      | 98.5%          | 98.2%            |
| SAU800543     | CBO100117       | 64%      | 99.3%          | 99.3%            |
| SAU800543     | CDF100550       | 63%      | 98.7%          | 99.7%            |
| SAU800543     | CDP100877       | 50%      | 7.0%           | 0.4%             |
| SAU800543     | EBC103916       | 54%      | 99.4%          | 97.3%            |
| SAU800543     | EFA200807       | 72%      | 99.8%          | 98.8%            |
| SAU800543     | EFM200070       | 70%      | 97.6%          | 100%             |
| SAU800543     | ECO103886       | 52%      | 97.8%          | 96.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800543     | HIN100493       | 54%      | 99.3%          | 96.9%            |
| SAU800543     | HPY101181       | 53%      | 97.4%          | 51.2%            |
| SAU800543     | KPN300484       | 37%      | 12.2%          | 90.6%            |
| SAU800543     | KPN302484       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | LPN100508       | 64%      | 44.2%          | 98.3%            |
| SAU800543     | LMO101517       | 76%      | 99.6%          | 99.7%            |
| SAU800543     | MCA101004       | 50%      | 97.6%          | 94.9%            |
| SAU800543     | MAV102932       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MBV100906       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MLP101144       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MTU200665       | 52%      | 7.0%           | 0.5%             |
| SAU800543     | MGE100349       | 44%      | 98.8%          | 98.7%            |
| SAU800543     | MPN100327       | 45%      | 98.1%          | 98.2%            |
| SAU800543     | NGO101637       | 54%      | 78.1%          | 38.1%            |
| SAU800543     | NME200135       | 51%      | 99.5%          | 98.6%            |
| SAU800543     | PMU101736       | 53%      | 97.3%          | 95.0%            |
| SAU800543     | PRT104687       | 54%      | 78.1%          | 41.2%            |
| SAU800543     | PAE204267       | 49%      | 99.8%          | 98.6%            |
| SAU800543     | PPU104498       | 48%      | 99.5%          | 97.5%            |
| SAU800543     | PSY103340       | 48%      | 99.5%          | 98.2%            |
| SAU800543     | SPA101954       | 44%      | 65.5%          | 100%             |
| SAU800543     | STY102668       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | STM102060       | 52%      | 97.8%          | 96.1%            |
| SAU800543     | SAU800543       | 100%     | 100%           | 100%             |
| SAU800543     | SEP201887       | 95%      | 100%           | 100%             |
| SAU800543     | SHA100756       | 90%      | 6.8%           | 74.5%            |
| SAU800543     | SHA101637       | 95%      | 100%           | 100%             |
| SAU800543     | SMU100552       | 68%      | 98.4%          | 98.2%            |
| SAU800543     | SPN401774       | 68%      | 100%           | 98.8%            |
| SAU800543     | SPY200072       | 67%      | 99.9%          | 99.2%            |
| SAU800543     | TPA100239       | 54%      | 98.4%          | 97.0%            |
| SAU800543     | UUR100188       | 44%      | 97.6%          | 98.5%            |
| SAU800543     | VCH100324       | 51%      | 97.8%          | 96.4%            |
| SAU800543     | YPS000478       | 52%      | 99.5%          | 97.6%            |
| SAU800545     | ABA100053       | 58%      | 99.3%          | 100%             |
| SAU800545     | BAN100648       | 83%      | 100%           | 97.9%            |
| SAU800545     | BFR10866        | 77%      | 54.7%          | 88.2%            |
| SAU800545     | BPT100844       | 67%      | 99.3%          | 98.4%            |
| SAU800545     | BBU100386       | 71%      | 99.3%          | 99.2%            |
| SAU800545     | BCE108786       | 66%      | 99.3%          | 97.6%            |
| SAU800545     | BFU100844       | 65%      | 99.3%          | 97.6%            |
| SAU800545     | BMA100034       | 66%      | 99.3%          | 97.6%            |
| SAU800545     | CJU100456       | 65%      | 99.3%          | 96.1%            |
| SAU800545     | CPN200197       | 63%      | 99.3%          | 100%             |
| SAU800545     | CTR200713       | 66%      | 99.3%          | 100%             |
| SAU800545     | CAC103453       | 66%      | 99.3%          | 98.4%            |
| SAU800545     | CBO102727       | 67%      | 99.3%          | 98.4%            |
| SAU800545     | CDF102422       | 75%      | 99.3%          | 95.1%            |
| SAU800545     | CDP100904       | 66%      | 99.3%          | 90.4%            |
| SAU800545     | EBC102897       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | EFA202015       | 85%      | 99.3%          | 99.3%            |
| SAU800545     | ECO103265       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | HIN100561       | 66%      | 99.3%          | 99.2%            |
| SAU800545     | HPY101180       | 65%      | 99.3%          | 91.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800545     | KPN200561       | 66%      | 99.3%          | 99.2%            |
| SAU800545     | LMO101449       | 87%      | 99.3%          | 99.3%            |
| SAU800545     | MCA100230       | 61%      | 99.3%          | 99.2%            |
| SAU800545     | MAV102944       | 64%      | 100%           | 100%             |
| SAU800545     | MBV103315       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | MLP101142       | 63%      | 100%           | 100%             |
| SAU800545     | MTU200679       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | MGE100089       | 74%      | 99.3%          | 97.8%            |
| SAU800545     | MPN100606       | 72%      | 99.3%          | 97.8%            |
| SAU800545     | NGO101631       | 63%      | 99.3%          | 100%             |
| SAU800545     | NME200131       | 63%      | 99.3%          | 100%             |
| SAU800545     | PMU101354       | 65%      | 100%           | 100%             |
| SAU800545     | PRT103411       | 59%      | 87.6%          | 100%             |
| SAU800545     | PAE204266       | 67%      | 99.3%          | 100%             |
| SAU800545     | PPU112031       | 68%      | 99.3%          | 100%             |
| SAU800545     | PSY103389       | 69%      | 99.3%          | 100%             |
| SAU800545     | SPA102395       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | STY101779       | 65%      | 99.3%          | 99.2%            |
| SAU800545     | SAU800545       | 100%     | 100%           | 100%             |
| SAU800545     | SEP201889       | 94%      | 100%           | 100%             |
| SAU800545     | SHA101640       | 97%      | 100%           | 100%             |
| SAU800545     | SMU100684       | 83%      | 99.3%          | 99.3%            |
| SAU800545     | SPN400248       | 82%      | 99.3%          | 99.3%            |
| SAU800545     | SPY200200       | 82%      | 99.3%          | 99.3%            |
| SAU800545     | TPA100240       | 64%      | 99.3%          | 99.2%            |
| SAU800545     | UUR100531       | 73%      | 99.3%          | 96.5%            |
| SAU800545     | VCH100354       | 64%      | 100%           | 100%             |
| SAU800545     | YPS001825       | 66%      | 99.3%          | 99.2%            |
| SAU800546     | ABA100054       | 53%      | 100%           | 100%             |
| SAU800546     | BAN101047       | 67%      | 100%           | 100%             |
| SAU800546     | BAN102922       | 81%      | 100%           | 100%             |
| SAU800546     | BFR102620       | 47%      | 98.7%          | 89.2%            |
| SAU800546     | BPT100845       | 60%      | 100%           | 90.2%            |
| SAU800546     | BBU100385       | 49%      | 100%           | 100%             |
| SAU800546     | BCE114655       | 55%      | 100%           | 100%             |
| SAU800546     | BFU100845       | 56%      | 100%           | 100%             |
| SAU800546     | BMA108128       | 55%      | 100%           | 100%             |
| SAU800546     | CJU100457       | 56%      | 98.7%          | 99.4%            |
| SAU800546     | CPN200198       | 50%      | 100%           | 100%             |
| SAU800546     | CTR200712       | 49%      | 100%           | 100%             |
| SAU800546     | CAC101300       | 68%      | 100%           | 100%             |
| SAU800546     | CBO100058       | 72%      | 100%           | 90.7%            |
| SAU800546     | CDF100549       | 73%      | 100%           | 100%             |
| SAU800546     | CDP100907       | 60%      | 98.7%          | 99.4%            |
| SAU800546     | EBC102895       | 60%      | 100%           | 100%             |
| SAU800546     | EFA202013       | 78%      | 100%           | 100%             |
| SAU800546     | ECO103264       | 60%      | 100%           | 87.2%            |
| SAU800546     | HIN100560       | 60%      | 100%           | 100%             |
| SAU800546     | HPY101179       | 55%      | 98.7%          | 99.4%            |
| SAU800546     | KPN300871       | 62%      | 92.9%          | 86.8%            |
| SAU800546     | LMO101111       | 78%      | 100%           | 100%             |
| SAU800546     | MCA100231       | 50%      | 100%           | 100%             |
| SAU800546     | MAV102943       | 59%      | 100%           | 100%             |
| SAU800546     | MBV103316       | 60%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800546     | MLP101141       | 60%      | 100%           | 100%             |
| SAU800546     | MTU200680       | 60%      | 100%           | 100%             |
| SAU800546     | MGE100090       | 62%      | 98.7%          | 99.4%            |
| SAU800546     | MPN100605       | 62%      | 98.7%          | 99.4%            |
| SAU800546     | NGO101627       | 58%      | 100%           | 100%             |
| SAU800546     | NME200130       | 58%      | 100%           | 100%             |
| SAU800546     | PMU101355       | 61%      | 100%           | 100%             |
| SAU800546     | PRT100252       | 58%      | 100%           | 100%             |
| SAU800546     | PAE204265       | 57%      | 100%           | 100%             |
| SAU800546     | PPU112217       | 57%      | 100%           | 100%             |
| SAU800546     | PSY106485       | 71%      | 24.4%          | 92.7%            |
| SAU800546     | SPA102393       | 54%      | 66.0%          | 91.2%            |
| SAU800546     | STY101780       | 60%      | 100%           | 100%             |
| SAU800546     | SAU800546       | 100%     | 100%           | 100%             |
| SAU800546     | SEP200070       | 100%     | 100%           | 100%             |
| SAU800546     | SHA102003       | 95%      | 25.6%          | 100%             |
| SAU800546     | SMU100686       | 75%      | 100%           | 100%             |
| SAU800546     | SPN400249       | 77%      | 100%           | 100%             |
| SAU800546     | SPY200201       | 75%      | 100%           | 100%             |
| SAU800546     | TPA100241       | 51%      | 100%           | 100%             |
| SAU800546     | UUR100530       | 68%      | 98.7%          | 99.4%            |
| SAU800546     | VCH100355       | 61%      | 100%           | 100%             |
| SAU800546     | YPS001851       | 60%      | 100%           | 100%             |
| SAU800547     | ABA100059       | 58%      | 88.0%          | 100%             |
| SAU800547     | BAN103750       | 78%      | 10.1%          | 95.9%            |
| SAU800547     | BAN113143       | 70%      | 76.8%          | 98.5%            |
| SAU800547     | BAN108186       | 79%      | 100%           | 99.0%            |
| SAU800547     | BFR12249        | 55%      | 63.2%          | 98.9%            |
| SAU800547     | BPT100846       | 60%      | 99.1%          | 99.3%            |
| SAU800547     | BBU100539       | 47%      | 98.3%          | 98.4%            |
| SAU800547     | BCE105443       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | BFU100846       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | BMA109643       | 59%      | 99.1%          | 99.3%            |
| SAU800547     | CJU100458       | 60%      | 99.9%          | 100%             |
| SAU800547     | CPN200199       | 57%      | 99.1%          | 99.6%            |
| SAU800547     | CTR200711       | 58%      | 99.1%          | 99.6%            |
| SAU800547     | CAC102763       | 63%      | 99.7%          | 100%             |
| SAU800547     | CBO100608       | 64%      | 99.4%          | 98%              |
| SAU800547     | CDF100548       | 65%      | 99.0%          | 99.4%            |
| SAU800547     | CDP100910       | 59%      | 99.0%          | 96.1%            |
| SAU800547     | EBC102893       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | EFA202007       | 75%      | 99.9%          | 99.7%            |
| SAU800547     | ECO103263       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | HIN100559       | 59%      | 99.7%          | 99.9%            |
| SAU800547     | HPY101178       | 62%      | 99.9%          | 100%             |
| SAU800547     | KPN303651       | 59%      | 99.1%          | 99.1%            |
| SAU800547     | LMO102926       | 78%      | 99.9%          | 99.3%            |
| SAU800547     | MCA100232       | 58%      | 99.4%          | 98.9%            |
| SAU800547     | MAV102942       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MBV103317       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MLP101140       | 60%      | 99.1%          | 98.7%            |
| SAU800547     | MTU200681       | 61%      | 99.1%          | 98.7%            |
| SAU800547     | MGE100091       | 61%      | 99.7%          | 100%             |
| SAU800547     | MPN100604       | 62%      | 99.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800547     | NGO101623       | 57%      | 99.9%          | 100%             |
| SAU800547     | NME200129       | 57%      | 99.9%          | 100%             |
| SAU800547     | PMU101356       | 59%      | 99.7%          | 99.9%            |
| SAU800547     | PRT100253       | 58%      | 99.7%          | 94.2%            |
| SAU800547     | PAE202069       | 59%      | 99.4%          | 99.6%            |
| SAU800547     | PPU109182       | 58%      | 100%           | 100%             |
| SAU800547     | PSY103391       | 56%      | 93.8%          | 99.7%            |
| SAU800547     | SPA102789       | 57%      | 99.3%          | 99.4%            |
| SAU800547     | STY101781       | 59%      | 99.3%          | 99.4%            |
| SAU800547     | SAU800547       | 100%     | 100%           | 100%             |
| SAU800547     | SEP200071       | 95%      | 100%           | 100%             |
| SAU800547     | SMU100688       | 76%      | 100%           | 99.9%            |
| SAU800547     | SPN400250       | 76%      | 100%           | 99.9%            |
| SAU800547     | SPY200202       | 76%      | 100%           | 100%             |
| SAU800547     | TPA100759       | 44%      | 98.0%          | 97.4%            |
| SAU800547     | UUR100529       | 63%      | 99.1%          | 99.1%            |
| SAU800547     | VCH100356       | 60%      | 99.6%          | 99.9%            |
| SAU800547     | YPS001853       | 60%      | 99.3%          | 99.4%            |
| SAU800548     | ABA100233       | 74%      | 33.5%          | 98.5%            |
| SAU800548     | ABA100062       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | BAN106076       | 81%      | 100%           | 100%             |
| SAU800548     | BFR12122        | 73%      | 99.7%          | 99.7%            |
| SAU800548     | BPT100044       | 75%      | 100%           | 100%             |
| SAU800548     | BPT100847       | 75%      | 100%           | 100%             |
| SAU800548     | BBU100475       | 62%      | 100%           | 98.3%            |
| SAU800548     | BCE112288       | 70%      | 15.7%          | 100%             |
| SAU800548     | BCE106056       | 75%      | 52.0%          | 99.0%            |
| SAU800548     | BCE108906       | 75%      | 100%           | 100%             |
| SAU800548     | BFU100267       | 70%      | 37.6%          | 100%             |
| SAU800548     | BFU100847       | 74%      | 100%           | 100%             |
| SAU800548     | BMA107343       | 76%      | 95.9%          | 100%             |
| SAU800548     | BMA106305       | 76%      | 100%           | 100%             |
| SAU800548     | CJU100435       | 73%      | 100%           | 100%             |
| SAU800548     | CPN200689       | 68%      | 99.5%          | 99.5%            |
| SAU800548     | CTR200588       | 67%      | 99.7%          | 98.5%            |
| SAU800548     | CAC103049       | 73%      | 100%           | 100%             |
| SAU800548     | CBO100671       | 69%      | 10.9%          | 95.6%            |
| SAU800548     | CBO101209       | 76%      | 59.1%          | 100%             |
| SAU800548     | CBO101304       | 73%      | 99.5%          | 99.5%            |
| SAU800548     | CDF100547       | 72%      | 100%           | 96.1%            |
| SAU800548     | CDP100912       | 71%      | 100%           | 100%             |
| SAU800548     | EBC101615       | 72%      | 33.8%          | 99.3%            |
| SAU800548     | EBC100362       | 79%      | 47.7%          | 100%             |
| SAU800548     | EBC102891       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | EFA202006       | 89%      | 100%           | 100%             |
| SAU800548     | EFM100161       | 76%      | 71.3%          | 100%             |
| SAU800548     | ECO103262       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | ECO103878       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | HIN100558       | 76%      | 100%           | 100%             |
| SAU800548     | HIN100613       | 76%      | 100%           | 100%             |
| SAU800548     | HPY101188       | 74%      | 100%           | 100%             |
| SAU800548     | KPN300520       | 77%      | 23.6%          | 100%             |
| SAU800548     | KPN300653       | 75%      | 79.9%          | 99.7%            |
| SAU800548     | KPN300869       | 75%      | 99.7%          | 99.7%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800548     | LMO102516       | 84%      | 100%           | 100%             |
| SAU800548     | MCA100162       | 75%      | 99.5%          | 99.5%            |
| SAU800548     | MAV102941       | 72%      | 100%           | 100%             |
| SAU800548     | MBV103318       | 72%      | 100%           | 100%             |
| SAU800548     | MLP101139       | 71%      | 100%           | 100%             |
| SAU800548     | MTU200682       | 72%      | 100%           | 100%             |
| SAU800548     | MGE100460       | 70%      | 100%           | 100%             |
| SAU800548     | MPN100177       | 70%      | 100%           | 100%             |
| SAU800548     | NGO101620       | 77%      | 99.7%          | 99.7%            |
| SAU800548     | NGO101673       | 77%      | 99.7%          | 99.7%            |
| SAU800548     | NME200143       | 78%      | 99.7%          | 99.7%            |
| SAU800548     | NME200128       | 78%      | 99.7%          | 99.7%            |
| SAU800548     | PMU101746       | 74%      | 100%           | 100%             |
| SAU800548     | PMU101357       | 75%      | 100%           | 100%             |
| SAU800548     | PRT100737       | 76%      | 24.6%          | 100%             |
| SAU800548     | PRT100321       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | PAE204275       | 73%      | 100%           | 100%             |
| SAU800548     | PAE204263       | 73%      | 100%           | 100%             |
| SAU800548     | PPU104463       | 71%      | 76.9%          | 100%             |
| SAU800548     | PPU104501       | 71%      | 100%           | 100%             |
| SAU800548     | PSY107231       | 71%      | 99.7%          | 99.7%            |
| SAU800548     | SPA104331       | 69%      | 39.3%          | 99.4%            |
| SAU800548     | SPA102798       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STY102689       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STY101782       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | STM102043       | 74%      | 99.7%          | 99.7%            |
| SAU800548     | SAU800548       | 100%     | 100%           | 100%             |
| SAU800548     | SEP200072       | 96%      | 100%           | 100%             |
| SAU800548     | SHA101389       | 97%      | 100%           | 100%             |
| SAU800548     | SMU101538       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | SPN401342       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | SPY200441       | 74%      | 99.5%          | 99.5%            |
| SAU800548     | TPA100185       | 65%      | 99.7%          | 79.6%            |
| SAU800548     | UUR100528       | 71%      | 98.7%          | 98.7%            |
| SAU800548     | VCH100316       | 76%      | 99.7%          | 99.7%            |
| SAU800548     | VCH100357       | 76%      | 99.7%          | 99.7%            |
| SAU800548     | YPS001855       | 75%      | 99.7%          | 99.7%            |
| SAU800548     | YPS000510       | 77%      | 100%           | 100%             |
| SAU800550     | ABA100563       | 32%      | 92.4%          | 92.5%            |
| SAU800550     | BAN108626       | 73%      | 98.7%          | 100%             |
| SAU800550     | BAN106368       | 77%      | 99.2%          | 96.0%            |
| SAU800550     | BFR10641        | 41%      | 99.2%          | 95.9%            |
| SAU800550     | BPT103090       | 35%      | 91.1%          | 88.4%            |
| SAU800550     | BCE109390       | 26%      | 26.4%          | 82.4%            |
| SAU800550     | BCE113483       | 40%      | 100%           | 97.0%            |
| SAU800550     | BFU101208       | 40%      | 100%           | 97.0%            |
| SAU800550     | BMA100519       | 39%      | 100%           | 97.0%            |
| SAU800550     | CJU100275       | 27%      | 84.3%          | 85.5%            |
| SAU800550     | CPN200794       | 29%      | 90.1%          | 90.3%            |
| SAU800550     | CDP100242       | 31%      | 96.9%          | 93.7%            |
| SAU800550     | EBC102199       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | EFM202467       | 69%      | 100%           | 96.7%            |
| SAU800550     | ECO103539       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | HIN101522       | 32%      | 89.8%          | 90.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800550     | KPN303387       | 40%      | 99.0%          | 95.7%            |
| SAU800550     | LPN100930       | 26%      | 90.1%          | 82.0%            |
| SAU800550     | MCA100378       | 30%      | 87.2%          | 85%              |
| SAU800550     | MAV103993       | 32%      | 84.3%          | 82.9%            |
| SAU800550     | MBV102883       | 33%      | 98.4%          | 48.6%            |
| SAU800550     | MLP100753       | 34%      | 84.3%          | 82.1%            |
| SAU800550     | MTU200032       | 33%      | 98.4%          | 48.6%            |
| SAU800550     | NGO101594       | 33%      | 74.7%          | 96.9%            |
| SAU800550     | NME201859       | 32%      | 86.9%          | 87.9%            |
| SAU800550     | PMU101901       | 32%      | 93.5%          | 93.0%            |
| SAU800550     | PRT102489       | 42%      | 99.0%          | 95.5%            |
| SAU800550     | PAE200500       | 35%      | 95.0%          | 90.0%            |
| SAU800550     | PPU107457       | 37%      | 92.7%          | 90.3%            |
| SAU800550     | PSY103313       | 36%      | 87.7%          | 95.4%            |
| SAU800550     | SPA104075       | 40%      | 96.3%          | 94.1%            |
| SAU800550     | STY100333       | 41%      | 99.0%          | 95.7%            |
| SAU800550     | STM102073       | 34%      | 91.9%          | 90.6%            |
| SAU800550     | SAU800550       | 100%     | 100%           | 100%             |
| SAU800550     | SHA101391       | 93%      | 100%           | 96.2%            |
| SAU800550     | VCH103606       | 42%      | 99.2%          | 96.2%            |
| SAU800550     | YPS001508       | 43%      | 99.0%          | 94.5%            |
| SAU800551     | ABA101220       | 58%      | 96.6%          | 97.3%            |
| SAU800551     | BAN102049       | 22%      | 77.1%          | 98.6%            |
| SAU800551     | BAN102184       | 22%      | 77.1%          | 98.6%            |
| SAU800551     | BFR104991       | 23%      | 75.7%          | 97.4%            |
| SAU800551     | BPT100429       | 24%      | 80.8%          | 99.5%            |
| SAU800551     | BCE101252       | 61%      | 99.0%          | 99.3%            |
| SAU800551     | BMA103820       | 26%      | 71.6%          | 89.8%            |
| SAU800551     | EFA202431       | 24%      | 38.7%          | 48.7%            |
| SAU800551     | EFM202602       | 25%      | 68.2%          | 85.3%            |
| SAU800551     | ECO101931       | 56%      | 96.6%          | 97.9%            |
| SAU800551     | MCA102445       | 25%      | 72.3%          | 92.3%            |
| SAU800551     | MAV102283       | 22%      | 70.2%          | 87.7%            |
| SAU800551     | PAE201134       | 60%      | 96.6%          | 97.3%            |
| SAU800551     | PPU111301       | 22%      | 71.6%          | 90.2%            |
| SAU800551     | PSY102809       | 24%      | 77.4%          | 96.4%            |
| SAU800551     | SAU800551       | 100%     | 100%           | 100%             |
| SAU800551     | SEP202065       | 26%      | 68.8%          | 84.3%            |
| SAU800551     | SHA102397       | 23%      | 51.4%          | 60.1%            |
| SAU800555     | BAN109841       | 26%      | 96.9%          | 91.5%            |
| SAU800555     | CBO100592       | 24%      | 91.6%          | 88.5%            |
| SAU800555     | EFA200270       | 24%      | 93.0%          | 87.2%            |
| SAU800555     | MLP101061       | 24%      | 58.1%          | 37.0%            |
| SAU800555     | MTU202199       | 23%      | 48.9%          | 94.1%            |
| SAU800555     | NME200581       | 32%      | 44.9%          | 62.9%            |
| SAU800555     | STM103706       | 29%      | 58.1%          | 84.0%            |
| SAU800555     | SAU800555       | 100%     | 100%           | 100%             |
| SAU800555     | SEP200091       | 67%      | 99.6%          | 97.8%            |
| SAU800555     | SHA101303       | 61%      | 99.6%          | 97.0%            |
| SAU800555     | YPS002018       | 30%      | 58.1%          | 84.0%            |
| SAU800561     | BAN100965       | 21%      | 30.7%          | 16.5%            |
| SAU800561     | BAN111001       | 20%      | 63.5%          | 67.3%            |
| SAU800561     | BAN109365       | 19%      | 19.1%          | 37.5%            |
| SAU800561     | BFR100579       | 18%      | 10.0%          | 13.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800561     | BFR102947       | 19%      | 10.0%          | 16.5%            |
| SAU800561     | BFR101444       | 18%      | 11.3%          | 19.3%            |
| SAU800561     | BBU100325       | 21%      | 21.7%          | 19.2%            |
| SAU800561     | BFU103969       | 74%      | 2.8%           | 39.8%            |
| SAU800561     | BMA103470       | 49%      | 10.6%          | 32.7%            |
| SAU800561     | BMA101165       | 47%      | 7.9%           | 15.2%            |
| SAU800561     | BMA104606       | 30%      | 16.6%          | 64.3%            |
| SAU800561     | CJU101103       | 20%      | 23.8%          | 25.8%            |
| SAU800561     | CPN200033       | 15%      | 12.6%          | 19.6%            |
| SAU800561     | CAC102616       | 26%      | 18.0%          | 82.7%            |
| SAU800561     | CBO103272       | 17%      | 24.9%          | 65.8%            |
| SAU800561     | CBO103679       | 27%      | 10.8%          | 20.8%            |
| SAU800561     | CDF101661       | 25%      | 20.5%          | 89.2%            |
| SAU800561     | CDP102558       | 31%      | 7.7%           | 6.4%             |
| SAU800561     | CDP101308       | 33%      | 24.7%          | 25.7%            |
| SAU800561     | CDP101991       | 34%      | 24.0%          | 14.7%            |
| SAU800561     | EFA203524       | 21%      | 53.9%          | 78.5%            |
| SAU800561     | EFM201664       | 22%      | 22.1%          | 74.6%            |
| SAU800561     | EFM201584       | 17%      | 12.1%          | 47.6%            |
| SAU800561     | HPY200074       | 16%      | 21.7%          | 26.6%            |
| SAU800561     | KPN206267       | 43%      | 54.6%          | 44.6%            |
| SAU800561     | LPN101461       | 33%      | 52.0%          | 60.9%            |
| SAU800561     | LMO102167       | 44%      | 23.0%          | 44.5%            |
| SAU800561     | MCA100440       | 42%      | 8.7%           | 6.0%             |
| SAU800561     | MAV104123       | 28%      | 5.7%           | 57.1%            |
| SAU800561     | MBV101055       | 34%      | 7.3%           | 7.9%             |
| SAU800561     | MLP100905       | 33%      | 4.1%           | 9.0%             |
| SAU800561     | MTU202408       | 34%      | 7.3%           | 7.6%             |
| SAU800561     | MGE100318       | 23%      | 21.9%          | 20.2%            |
| SAU800561     | MPN100275       | 12%      | 20.6%          | 15.5%            |
| SAU800561     | NME201599       | 17%      | 8.4%           | 12.6%            |
| SAU800561     | PAE203113       | 23%      | 17.4%          | 22.7%            |
| SAU800561     | PSY103818       | 30%      | 14.0%          | 57.4%            |
| SAU800561     | SPA103181       | 24%      | 10.5%          | 39.9%            |
| SAU800561     | STM102835       | 24%      | 16.3%          | 12.0%            |
| SAU800561     | SAU800563       | 49%      | 97.5%          | 6.6%             |
| SAU800561     | SAU800562       | 65%      | 65.5%          | 34.3%            |
| SAU800561     | SAU800561       | 100%     | 100%           | 100%             |
| SAU800561     | SEP200110       | 39%      | 89.7%          | 13.9%            |
| SAU800561     | SHA100540       | 33%      | 16.1%          | 98.3%            |
| SAU800561     | SHA102998       | 33%      | 16.1%          | 80.1%            |
| SAU800561     | SHA100562       | 48%      | 58.0%          | 13.4%            |
| SAU800561     | SMU100747       | 21%      | 65.3%          | 97.7%            |
| SAU800561     | SMU102548       | 21%      | 60.7%          | 29.6%            |
| SAU800561     | SPN401402       | 21%      | 8.1%           | 68.6%            |
| SAU800561     | SPY201545       | 20%      | 25.1%          | 63.1%            |
| SAU800561     | TPA100366       | 42%      | 2.7%           | 36.2%            |
| SAU800562     | BAN100965       | 25%      | 5.7%           | 7.2%             |
| SAU800562     | BAN110134       | 23%      | 34.7%          | 51.3%            |
| SAU800562     | BAN111001       | 19%      | 66.6%          | 69.3%            |
| SAU800562     | BAN109365       | 18%      | 65.4%          | 22.0%            |
| SAU800562     | BAN104198       | 20%      | 40.1%          | 43.1%            |
| SAU800562     | BFR100579       | 19%      | 7.1%           | 14.3%            |
| SAU800562     | BFR102947       | 19%      | 8.6%           | 16.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800562     | BFR101444       | 18%      | 7.8%           | 19.3%            |
| SAU800562     | BBU100545       | 25%      | 12.3%          | 67.8%            |
| SAU800562     | BBU100325       | 19%      | 16.8%          | 19.2%            |
| SAU800562     | BFU103969       | 53%      | 9.5%           | 39.8%            |
| SAU800562     | BMA104606       | 30%      | 14.9%          | 49.4%            |
| SAU800562     | BMA103470       | 49%      | 16.2%          | 32.7%            |
| SAU800562     | BMA101165       | 47%      | 7.3%           | 15.2%            |
| SAU800562     | CJU101103       | 20%      | 17.2%          | 31.5%            |
| SAU800562     | CPN200033       | 14%      | 59.6%          | 34.6%            |
| SAU800562     | CAC102616       | 20%      | 14.4%          | 99.5%            |
| SAU800562     | CBO103272       | 16%      | 18.7%          | 72.8%            |
| SAU800562     | CBO103679       | 24%      | 6.3%           | 18.8%            |
| SAU800562     | CDF102641       | 20%      | 54.5%          | 78.4%            |
| SAU800562     | CDF101661       | 26%      | 22.2%          | 55.7%            |
| SAU800562     | CDP101308       | 26%      | 32.2%          | 56.5%            |
| SAU800562     | CDP101991       | 31%      | 36.5%          | 30.2%            |
| SAU800562     | EFA203524       | 22%      | 44.2%          | 88.2%            |
| SAU800562     | EFM201062       | 38%      | 5.0%           | 65.1%            |
| SAU800562     | EFM201664       | 25%      | 26.3%          | 78.5%            |
| SAU800562     | EFM201584       | 16%      | 8.3%           | 47.6%            |
| SAU800562     | EFM201162       | 27%      | 36.6%          | 16.2%            |
| SAU800562     | HPY200074       | 17%      | 18.2%          | 30.3%            |
| SAU800562     | KPN206267       | 51%      | 33.1%          | 38.8%            |
| SAU800562     | LPN101461       | 36%      | 64.8%          | 46.3%            |
| SAU800562     | LMO102167       | 46%      | 17.3%          | 47.0%            |
| SAU800562     | MCA100440       | 42%      | 3.1%           | 6.0%             |
| SAU800562     | MAV104123       | 29%      | 1.2%           | 57.1%            |
| SAU800562     | MBV101055       | 32%      | 4.1%           | 10.4%            |
| SAU800562     | MLP100905       | 32%      | 2.8%           | 9.0%             |
| SAU800562     | MTU202408       | 32%      | 4.1%           | 10.0%            |
| SAU800562     | MGE100318       | 21%      | 64.0%          | 40.1%            |
| SAU800562     | MPN100275       | 11%      | 17.3%          | 22.6%            |
| SAU800562     | NME100865       | 22%      | 28.2%          | 70.4%            |
| SAU800562     | PAE203113       | 22%      | 11.0%          | 24.3%            |
| SAU800562     | PSY101467       | 15%      | 13.9%          | 47.5%            |
| SAU800562     | PSY108790       | 15%      | 60.5%          | 17.8%            |
| SAU800562     | PSY103818       | 29%      | 7.9%           | 56.8%            |
| SAU800562     | SPA103181       | 24%      | 0.5%           | 32.9%            |
| SAU800562     | STM102835       | 22%      | 2.5%           | 30.5%            |
| SAU800562     | SAU800562       | 100%     | 100%           | 100%             |
| SAU800562     | SEP200110       | 41%      | 46.4%          | 7.5%             |
| SAU800562     | SHA100540       | 33%      | 18.1%          | 85.7%            |
| SAU800562     | SHA102998       | 28%      | 97.1%          | 62.1%            |
| SAU800562     | SHA100562       | 50%      | 96.4%          | 87.2%            |
| SAU800562     | SMU102548       | 23%      | 18.1%          | 20.7%            |
| SAU800562     | SMU100747       | 28%      | 12.1%          | 27.4%            |
| SAU800562     | SPN401402       | 22%      | 12.8%          | 30.5%            |
| SAU800562     | SPY201545       | 20%      | 19.3%          | 70.2%            |
| SAU800566     | BFR10892        | 23%      | 46.2%          | 11.2%            |
| SAU800566     | BPT101393       | 33%      | 87.0%          | 94.7%            |
| SAU800566     | BCE106700       | 35%      | 89.0%          | 89.5%            |
| SAU800566     | BFU102591       | 36%      | 89.0%          | 96.6%            |
| SAU800566     | BMA107940       | 35%      | 89.0%          | 91.1%            |
| SAU800566     | KPN108431       | 19%      | 88.7%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800566     | NGO100865       | 35%      | 89.0%          | 99.2%            |
| SAU800566     | NME200935       | 35%      | 89.0%          | 99.2%            |
| SAU800566     | PAE205534       | 18%      | 84.2%          | 92.6%            |
| SAU800566     | PPU111596       | 29%      | 33.9%          | 29.0%            |
| SAU800566     | PSY105601       | 24%      | 48.3%          | 49.5%            |
| SAU800566     | SAU800566       | 100%     | 100%           | 100%             |
| SAU800566     | SEP200115       | 88%      | 100%           | 100%             |
| SAU800566     | SHA101796       | 89%      | 100%           | 100%             |
| SAU800588     | ABA104878       | 45%      | 94.8%          | 42.9%            |
| SAU800588     | BAN106141       | 49%      | 97.0%          | 100%             |
| SAU800588     | BAN102570       | 62%      | 99.7%          | 100%             |
| SAU800588     | BFR101415       | 45%      | 99.7%          | 98.2%            |
| SAU800588     | BBU100588       | 34%      | 90.5%          | 88.4%            |
| SAU800588     | BCE113410       | 43%      | 80.5%          | 94.7%            |
| SAU800588     | BFU103363       | 43%      | 98.2%          | 94.5%            |
| SAU800588     | CJU100638       | 47%      | 96.3%          | 62.7%            |
| SAU800588     | CAC102832       | 44%      | 98.8%          | 98.5%            |
| SAU800588     | CBO102063       | 52%      | 50%            | 90.4%            |
| SAU800588     | CDF102626       | 25%      | 92.1%          | 87.1%            |
| SAU800588     | CDP101294       | 50%      | 97.0%          | 69.2%            |
| SAU800588     | EBC104962       | 42%      | 94.8%          | 43.1%            |
| SAU800588     | EFA202248       | 59%      | 99.1%          | 98.8%            |
| SAU800588     | EFM200028       | 53%      | 62.2%          | 99.5%            |
| SAU800588     | ECO102255       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | HIN101176       | 44%      | 94.8%          | 43.2%            |
| SAU800588     | HPY200837       | 47%      | 97.3%          | 60.9%            |
| SAU800588     | KPN305976       | 42%      | 94.8%          | 43.2%            |
| SAU800588     | LPN102073       | 25%      | 90.5%          | 57.7%            |
| SAU800588     | LMO100950       | 62%      | 99.7%          | 99.4%            |
| SAU800588     | MCA101508       | 44%      | 98.2%          | 64.8%            |
| SAU800588     | MAV101929       | 47%      | 93.9%          | 43.9%            |
| SAU800588     | MBV102834       | 47%      | 94.5%          | 44.5%            |
| SAU800588     | MTU200407       | 47%      | 94.5%          | 44.5%            |
| SAU800588     | MGE100305       | 40%      | 99.1%          | 99.4%            |
| SAU800588     | MPN100413       | 40%      | 99.1%          | 99.4%            |
| SAU800588     | NGO100804       | 45%      | 94.8%          | 61.4%            |
| SAU800588     | NME200777       | 45%      | 94.8%          | 61.4%            |
| SAU800588     | PMU100705       | 44%      | 94.8%          | 43.1%            |
| SAU800588     | PRT100628       | 45%      | 94.2%          | 43.1%            |
| SAU800588     | PAE200834       | 43%      | 94.2%          | 43.3%            |
| SAU800588     | PPU103956       | 40%      | 94.8%          | 44.6%            |
| SAU800588     | PSY102379       | 39%      | 97.3%          | 46.1%            |
| SAU800588     | SPA101028       | 57%      | 37.8%          | 86.9%            |
| SAU800588     | STY100983       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | STM100723       | 42%      | 94.8%          | 43.0%            |
| SAU800588     | SAU800588       | 100%     | 100%           | 100%             |
| SAU800588     | SEP200137       | 87%      | 100%           | 100%             |
| SAU800588     | SHA101700       | 84%      | 100%           | 100%             |
| SAU800588     | SMU100210       | 58%      | 98.8%          | 97.3%            |
| SAU800588     | SPN401007       | 55%      | 99.1%          | 99.1%            |
| SAU800588     | SPY200858       | 56%      | 99.1%          | 97.6%            |
| SAU800588     | TPA100093       | 37%      | 94.2%          | 94.3%            |
| SAU800588     | UUR100064       | 25%      | 80.5%          | 87.7%            |
| SAU800588     | VCH101078       | 44%      | 95.4%          | 43.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800588     | YPS000496       | 43%      | 94.8%          | 42.8%            |
| SAU800589     | BAN101408       | 59%      | 43.9%          | 91.1%            |
| SAU800589     | BAN105953       | 46%      | 73.7%          | 97.3%            |
| SAU800589     | BAN102397       | 52%      | 94.2%          | 94.3%            |
| SAU800589     | EFA201382       | 39%      | 80.9%          | 81.3%            |
| SAU800589     | LMO102312       | 42%      | 94.2%          | 95.3%            |
| SAU800589     | PAE204284       | 28%      | 41.0%          | 52.9%            |
| SAU800589     | PPU107435       | 21%      | 53.6%          | 63.2%            |
| SAU800589     | SAU800589       | 100%     | 100%           | 100%             |
| SAU800589     | SEP200138       | 82%      | 99.6%          | 99.3%            |
| SAU800589     | SHA101701       | 86%      | 98.2%          | 97.5%            |
| SAU800589     | SPY200934       | 37%      | 87.1%          | 85.9%            |
| SAU800591     | BBU100685       | 32%      | 95.7%          | 96.8%            |
| SAU800591     | EFA200383       | 56%      | 99.1%          | 94.7%            |
| SAU800591     | EFM202057       | 56%      | 98.8%          | 99.1%            |
| SAU800591     | LPN101401       | 32%      | 87.2%          | 91.1%            |
| SAU800591     | LMO100508       | 50%      | 91.1%          | 91.6%            |
| SAU800591     | SAU800591       | 100%     | 100%           | 100%             |
| SAU800591     | SEP200140       | 72%      | 100%           | 100%             |
| SAU800591     | SHA101704       | 73%      | 100%           | 100%             |
| SAU800591     | SMU100935       | 37%      | 91.4%          | 90.6%            |
| SAU800591     | SPN400339       | 39%      | 89.6%          | 82.8%            |
| SAU800591     | SPY200652       | 41%      | 90.5%          | 91.7%            |
| SAU800592     | BBU100686       | 22%      | 49.7%          | 52.4%            |
| SAU800592     | EFA200384       | 44%      | 100%           | 97.0%            |
| SAU800592     | EFM200671       | 45%      | 100%           | 98.6%            |
| SAU800592     | LMO101877       | 38%      | 98.3%          | 95.8%            |
| SAU800592     | SAU800592       | 100%     | 100%           | 100%             |
| SAU800592     | SEP200141       | 79%      | 100%           | 100%             |
| SAU800592     | SHA101705       | 79%      | 59.8%          | 100%             |
| SAU800592     | SMU100938       | 29%      | 97.8%          | 97.6%            |
| SAU800592     | SPN400340       | 27%      | 97.8%          | 96.7%            |
| SAU800592     | SPY200653       | 27%      | 96.1%          | 94.9%            |
| SAU800593     | BAN113008       | 60%      | 65.5%          | 100%             |
| SAU800593     | BAN105544       | 62%      | 63.7%          | 100%             |
| SAU800593     | BMA108446       | 27%      | 41.6%          | 14.9%            |
| SAU800593     | BMA103867       | 25%      | 53.1%          | 14.6%            |
| SAU800593     | BMA106771       | 24%      | 64.6%          | 14.9%            |
| SAU800593     | SAU800593       | 100%     | 100%           | 100%             |
| SAU800593     | SEP200142       | 84%      | 100%           | 100%             |
| SAU800593     | SHA100809       | 88%      | 98.2%          | 98.2%            |
| SAU800593     | SPN401580       | 54%      | 30.1%          | 33.7%            |
| SAU800600     | ABA101949       | 30%      | 92.9%          | 89.5%            |
| SAU800600     | BAN104442       | 45%      | 96.5%          | 99.3%            |
| SAU800600     | BAN102029       | 44%      | 97.8%          | 98.7%            |
| SAU800600     | BFR100585       | 29%      | 95.8%          | 83.5%            |
| SAU800600     | BPT100971       | 31%      | 95.5%          | 86.9%            |
| SAU800600     | BBU100527       | 29%      | 93.3%          | 89.8%            |
| SAU800600     | BCE111954       | 31%      | 87.8%          | 87.5%            |
| SAU800600     | BFU109580       | 33%      | 97.8%          | 93.6%            |
| SAU800600     | BFU100521       | 34%      | 95.5%          | 91.2%            |
| SAU800600     | BFU100523       | 36%      | 92.6%          | 89.4%            |
| SAU800600     | BMA108987       | 27%      | 96.5%          | 96.6%            |
| SAU800600     | CBO101231       | 26%      | 96.2%          | 73.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800600     | CDF101932       | 26%      | 98.1%          | 74.0%            |
| SAU800600     | CDP100172       | 25%      | 97.1%          | 88.5%            |
| SAU800600     | EBC102052       | 31%      | 97.1%          | 91.6%            |
| SAU800600     | EFM202426       | 53%      | 97.4%          | 98.1%            |
| SAU800600     | ECO101739       | 33%      | 97.1%          | 97.2%            |
| SAU800600     | HPY101176       | 31%      | 86.2%          | 83.3%            |
| SAU800600     | KPN304964       | 31%      | 98.1%          | 93.7%            |
| SAU800600     | LPN100428       | 33%      | 98.1%          | 93.2%            |
| SAU800600     | LMO100594       | 30%      | 98.1%          | 95.8%            |
| SAU800600     | MAV104842       | 33%      | 97.1%          | 93.3%            |
| SAU800600     | MBV103911       | 31%      | 83.0%          | 70.7%            |
| SAU800600     | MLP100283       | 32%      | 94.2%          | 88.0%            |
| SAU800600     | MTU202264       | 31%      | 83.0%          | 77.7%            |
| SAU800600     | PAE202533       | 33%      | 94.2%          | 90.6%            |
| SAU800600     | PPU106661       | 27%      | 95.8%          | 94.9%            |
| SAU800600     | PSY100479       | 33%      | 93.6%          | 89.7%            |
| SAU800600     | SPA101563       | 32%      | 93.6%          | 93.4%            |
| SAU800600     | STY103216       | 33%      | 98.4%          | 93.9%            |
| SAU800600     | STM100076       | 29%      | 94.9%          | 94.5%            |
| SAU800600     | SAU800600       | 100%     | 100%           | 100%             |
| SAU800600     | SEP200145       | 78%      | 99.7%          | 99.7%            |
| SAU800600     | SHA100813       | 79%      | 99.7%          | 100%             |
| SAU800600     | SMU100710       | 28%      | 84.3%          | 95.4%            |
| SAU800600     | VCH100654       | 31%      | 97.8%          | 94.9%            |
| SAU800600     | YPS002522       | 35%      | 96.2%          | 91.8%            |
| SAU800601     | BAN113282       | 46%      | 66.9%          | 95.9%            |
| SAU800601     | BAN101095       | 43%      | 96.1%          | 93.9%            |
| SAU800601     | BPT103683       | 23%      | 61.2%          | 51.4%            |
| SAU800601     | BFU105807       | 30%      | 36.5%          | 18.0%            |
| SAU800601     | BMA104764       | 23%      | 50.6%          | 44.8%            |
| SAU800601     | CAC103679       | 29%      | 51.1%          | 47.9%            |
| SAU800601     | CAC102966       | 25%      | 93.3%          | 92.4%            |
| SAU800601     | CAC100169       | 29%      | 51.1%          | 47.9%            |
| SAU800601     | CBO102960       | 31%      | 49.4%          | 50.3%            |
| SAU800601     | CDF102353       | 26%      | 50.6%          | 49.5%            |
| SAU800601     | ECO100876       | 27%      | 51.7%          | 47.4%            |
| SAU800601     | KPN203154       | 41%      | 16.3%          | 11.2%            |
| SAU800601     | LMO101606       | 22%      | 77.5%          | 75.4%            |
| SAU800601     | SAU800601       | 100%     | 100%           | 100%             |
| SAU800601     | SEP201386       | 39%      | 84.3%          | 96.7%            |
| SAU800601     | SHA100814       | 71%      | 99.4%          | 99.4%            |
| SAU800601     | SPN401766       | 45%      | 21.9%          | 17.9%            |
| SAU800605     | ABA103635       | 31%      | 93.5%          | 90.6%            |
| SAU800605     | BAN108675       | 67%      | 57.7%          | 100%             |
| SAU800605     | BAN104327       | 67%      | 100%           | 97.7%            |
| SAU800605     | BPT100337       | 27%      | 99.1%          | 96.2%            |
| SAU800605     | BCE114807       | 41%      | 99.4%          | 87.4%            |
| SAU800605     | BFU103004       | 41%      | 99.4%          | 99.1%            |
| SAU800605     | BMA100537       | 41%      | 99.4%          | 97.9%            |
| SAU800605     | CJU101457       | 30%      | 98.5%          | 94.1%            |
| SAU800605     | CDP101455       | 39%      | 99.4%          | 96.8%            |
| SAU800605     | EBC101366       | 68%      | 99.4%          | 98.8%            |
| SAU800605     | EFA200493       | 68%      | 99.7%          | 98.8%            |
| SAU800605     | EFM202247       | 24%      | 93.2%          | 91.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800605     | ECO101449       | 69%      | 100%           | 96.5%            |
| SAU800605     | HIN100176       | 26%      | 96.7%          | 94.4%            |
| SAU800605     | HPY101087       | 26%      | 98.5%          | 95.7%            |
| SAU800605     | KPN305086       | 68%      | 99.4%          | 98.8%            |
| SAU800605     | LPN102926       | 33%      | 89.9%          | 87.9%            |
| SAU800605     | MCA102268       | 27%      | 82.4%          | 97.9%            |
| SAU800605     | MAV103580       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MBV103685       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MLP101064       | 28%      | 93.8%          | 87.8%            |
| SAU800605     | MTU203005       | 26%      | 92.6%          | 90.8%            |
| SAU800605     | MPN100278       | 26%      | 81.5%          | 79.5%            |
| SAU800605     | NGO101474       | 64%      | 99.4%          | 96.0%            |
| SAU800605     | NME200668       | 64%      | 99.4%          | 96.5%            |
| SAU800605     | PAE205422       | 42%      | 99.7%          | 98.0%            |
| SAU800605     | PPU110079       | 64%      | 100%           | 98.5%            |
| SAU800605     | PSY104861       | 32%      | 93.8%          | 90.4%            |
| SAU800605     | SPA101864       | 69%      | 100%           | 97.1%            |
| SAU800605     | STY104200       | 69%      | 100%           | 99.4%            |
| SAU800605     | STM100346       | 69%      | 100%           | 99.4%            |
| SAU800605     | SAU800605       | 100%     | 100%           | 100%             |
| SAU800605     | SEP200161       | 87%      | 99.4%          | 98.2%            |
| SAU800605     | SMU101451       | 27%      | 96.7%          | 96.0%            |
| SAU800605     | SPN400262       | 64%      | 100%           | 99.4%            |
| SAU800605     | SPY200034       | 60%      | 100%           | 99.4%            |
| SAU800607     | ABA102360       | 39%      | 93.5%          | 94.1%            |
| SAU800607     | BAN111999       | 37%      | 99.5%          | 99.6%            |
| SAU800607     | BAN110976       | 56%      | 100%           | 100%             |
| SAU800607     | BFR10875        | 22%      | 99.1%          | 99.5%            |
| SAU800607     | BPT101508       | 40%      | 99.6%          | 99.8%            |
| SAU800607     | BBU100593       | 25%      | 97.8%          | 97.3%            |
| SAU800607     | BCE100461       | 40%      | 98.7%          | 99.2%            |
| SAU800607     | BFU103077       | 40%      | 98.7%          | 99.2%            |
| SAU800607     | BMA100457       | 39%      | 98.9%          | 98.0%            |
| SAU800607     | CJU101100       | 35%      | 94.8%          | 96.8%            |
| SAU800607     | CPN200176       | 21%      | 95.8%          | 97.9%            |
| SAU800607     | CTR200729       | 20%      | 94.2%          | 95.2%            |
| SAU800607     | CAC101790       | 25%      | 94.2%          | 95.6%            |
| SAU800607     | CBO100741       | 23%      | 94.2%          | 95.6%            |
| SAU800607     | CDF104545       | 27%      | 95.8%          | 96.8%            |
| SAU800607     | CDP100057       | 41%      | 98.9%          | 98.4%            |
| SAU800607     | EBC101120       | 27%      | 40.1%          | 73.6%            |
| SAU800607     | EFA200290       | 24%      | 98.7%          | 99.5%            |
| SAU800607     | EFM201011       | 23%      | 94.2%          | 95.2%            |
| SAU800607     | ECO101844       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | HIN101550       | 26%      | 98.9%          | 99.7%            |
| SAU800607     | HPY100315       | 38%      | 94.9%          | 97.0%            |
| SAU800607     | KPN301304       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | LPN101161       | 41%      | 94.8%          | 95.2%            |
| SAU800607     | LMO101656       | 55%      | 100%           | 100%             |
| SAU800607     | MCA100331       | 26%      | 98.9%          | 99.7%            |
| SAU800607     | MAV106525       | 41%      | 97.3%          | 97.5%            |
| SAU800607     | MBV105559       | 40%      | 97.3%          | 97.5%            |
| SAU800607     | MLP100693       | 40%      | 94.6%          | 94.4%            |
| SAU800607     | MTU201275       | 40%      | 97.3%          | 97.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800607     | MGE100389       | 31%      | 94.8%          | 96.5%            |
| SAU800607     | MPN100286       | 33%      | 94.0%          | 95.7%            |
| SAU800607     | NGO100228       | 24%      | 98.6%          | 99.3%            |
| SAU800607     | NME201566       | 23%      | 98.6%          | 99.3%            |
| SAU800607     | PMU100551       | 26%      | 95.7%          | 99.1%            |
| SAU800607     | PRT100545       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | PAE205046       | 23%      | 98.9%          | 98.6%            |
| SAU800607     | PPU109126       | 23%      | 98.9%          | 98.6%            |
| SAU800607     | PSY103569       | 22%      | 99.3%          | 99.7%            |
| SAU800607     | SPA103053       | 24%      | 98.9%          | 99.7%            |
| SAU800607     | STY102666       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | STM102429       | 25%      | 98.9%          | 99.7%            |
| SAU800607     | SAU800607       | 100%     | 100%           | 100%             |
| SAU800607     | SEP200171       | 84%      | 100%           | 100%             |
| SAU800607     | SHA101545       | 84%      | 100%           | 100%             |
| SAU800607     | SMU101264       | 26%      | 98.2%          | 98.9%            |
| SAU800607     | SPN401887       | 25%      | 98.7%          | 99.5%            |
| SAU800607     | SPY201643       | 25%      | 94.2%          | 95.4%            |
| SAU800607     | TPA100822       | 25%      | 94.2%          | 94.4%            |
| SAU800607     | UUR100280       | 39%      | 98.9%          | 99.6%            |
| SAU800607     | VCH102042       | 24%      | 98.9%          | 96.0%            |
| SAU800607     | YPS003380       | 26%      | 97.5%          | 99.0%            |
| SAU800637     | BAN101684       | 46%      | 96.6%          | 69.9%            |
| SAU800637     | BAN104283       | 51%      | 96.6%          | 47.6%            |
| SAU800637     | BPT102745       | 32%      | 73.9%          | 77.4%            |
| SAU800637     | BCE106238       | 39%      | 92.0%          | 81%              |
| SAU800637     | BFU103333       | 38%      | 89.8%          | 50.8%            |
| SAU800637     | BMA109972       | 36%      | 89.8%          | 53.9%            |
| SAU800637     | CJU101365       | 31%      | 87.5%          | 98.2%            |
| SAU800637     | CAC103450       | 36%      | 98.1%          | 63.5%            |
| SAU800637     | CDP101641       | 31%      | 88.3%          | 93.8%            |
| SAU800637     | EFA200265       | 52%      | 94.7%          | 58.6%            |
| SAU800637     | EFM200599       | 41%      | 97.7%          | 63.1%            |
| SAU800637     | KPN305026       | 45%      | 68.6%          | 97.8%            |
| SAU800637     | LPN103143       | 41%      | 75.4%          | 42.0%            |
| SAU800637     | LMO100876       | 50%      | 98.1%          | 79.9%            |
| SAU800637     | MAV105759       | 31%      | 87.5%          | 89.9%            |
| SAU800637     | MBV104256       | 31%      | 87.5%          | 88.3%            |
| SAU800637     | MLP100082       | 30%      | 87.5%          | 88.6%            |
| SAU800637     | MTU203726       | 31%      | 87.5%          | 88.3%            |
| SAU800637     | NME200186       | 37%      | 74.6%          | 89.8%            |
| SAU800637     | PMU100781       | 34%      | 75%            | 90.0%            |
| SAU800637     | PAE201385       | 37%      | 90.9%          | 56.9%            |
| SAU800637     | PPU108273       | 31%      | 93.6%          | 61.2%            |
| SAU800637     | PSY104047       | 37%      | 88.6%          | 52.0%            |
| SAU800637     | SPA103757       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | STY101910       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | STM101649       | 40%      | 70.8%          | 79.7%            |
| SAU800637     | SAU800637       | 100%     | 100%           | 100%             |
| SAU800637     | SEP200217       | 83%      | 100%           | 100%             |
| SAU800637     | SHA100118       | 81%      | 100%           | 100%             |
| SAU800637     | SMU100176       | 36%      | 94.3%          | 62.7%            |
| SAU800637     | SPY200583       | 37%      | 87.9%          | 59.1%            |
| SAU800637     | VCH100245       | 36%      | 79.2%          | 76.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800641     | BFR11919        | 28%      | 87.9%          | 29.2%            |
| SAU800641     | BFR11393        | 28%      | 89.4%          | 29.6%            |
| SAU800641     | BPT100821       | 47%      | 27.3%          | 22.2%            |
| SAU800641     | BCE113991       | 28%      | 70.5%          | 59.0%            |
| SAU800641     | BFU109291       | 28%      | 70.5%          | 53.4%            |
| SAU800641     | BMA106229       | 29%      | 70.5%          | 59.0%            |
| SAU800641     | CJU101075       | 31%      | 97.0%          | 28.2%            |
| SAU800641     | EBC103920       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | EFA201297       | 60%      | 96.2%          | 97.7%            |
| SAU800641     | EFM100213       | 57%      | 55.3%          | 91.5%            |
| SAU800641     | ECO102986       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | HIN101495       | 29%      | 94.7%          | 27.5%            |
| SAU800641     | KPN308271       | 30%      | 94.7%          | 27.5%            |
| SAU800641     | LMO101198       | 71%      | 95.5%          | 99.2%            |
| SAU800641     | MAV104245       | 32%      | 90.2%          | 91.9%            |
| SAU800641     | NGO100989       | 31%      | 69.7%          | 56.0%            |
| SAU800641     | NME200331       | 30%      | 72.0%          | 57.7%            |
| SAU800641     | PMU100884       | 35%      | 51.5%          | 14.7%            |
| SAU800641     | SPA102480       | 30%      | 94.7%          | 28.3%            |
| SAU800641     | STY100790       | 30%      | 99.2%          | 28.7%            |
| SAU800641     | SAU800641       | 100%     | 100%           | 100%             |
| SAU800641     | SEP200670       | 94%      | 100%           | 100%             |
| SAU800641     | SHA100548       | 90%      | 78.0%          | 100%             |
| SAU800641     | YPS001982       | 33%      | 94.7%          | 27.5%            |
| SAU800680     | ABA104575       | 44%      | 94.1%          | 85.5%            |
| SAU800680     | BAN101585       | 39%      | 98.9%          | 97.4%            |
| SAU800680     | BAN112177       | 45%      | 98.4%          | 97.4%            |
| SAU800680     | BFR104201       | 41%      | 69.7%          | 89.1%            |
| SAU800680     | BPT100746       | 40%      | 95.2%          | 86.1%            |
| SAU800680     | BCE110211       | 45%      | 96.3%          | 93.8%            |
| SAU800680     | BFU106340       | 44%      | 93.6%          | 93.1%            |
| SAU800680     | BMA103155       | 45%      | 96.3%          | 92.8%            |
| SAU800680     | CJU100047       | 25%      | 65.4%          | 63.2%            |
| SAU800680     | CBO100465       | 48%      | 96.3%          | 94.3%            |
| SAU800680     | CDP102654       | 39%      | 92.6%          | 42.8%            |
| SAU800680     | EFA201956       | 41%      | 99.5%          | 96.4%            |
| SAU800680     | EFM202384       | 39%      | 83.5%          | 82.7%            |
| SAU800680     | KPN300536       | 54%      | 75.5%          | 100%             |
| SAU800680     | LPN102317       | 37%      | 93.6%          | 92.6%            |
| SAU800680     | MCA100065       | 41%      | 94.7%          | 84.4%            |
| SAU800680     | MAV103187       | 35%      | 80.9%          | 49.7%            |
| SAU800680     | MBV100232       | 37%      | 74.5%          | 91.4%            |
| SAU800680     | MLP100652       | 33%      | 93.1%          | 93.0%            |
| SAU800680     | MTU201189       | 36%      | 81.9%          | 81.8%            |
| SAU800680     | NGO101834       | 24%      | 90.4%          | 80.5%            |
| SAU800680     | NME202039       | 26%      | 79.3%          | 70.5%            |
| SAU800680     | PRT102028       | 46%      | 100%           | 97.9%            |
| SAU800680     | PAE204918       | 43%      | 96.3%          | 92.8%            |
| SAU800680     | PPU107578       | 41%      | 95.2%          | 91.8%            |
| SAU800680     | PSY104404       | 25%      | 94.7%          | 55.0%            |
| SAU800680     | SPA101481       | 20%      | 56.9%          | 24.8%            |
| SAU800680     | SAU800680       | 100%     | 100%           | 100%             |
| SAU800680     | SEP200723       | 81%      | 100%           | 100%             |
| SAU800680     | SHA100242       | 81%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800699     | BAN102886       | 47%      | 98.4%          | 99.3%            |
| SAU800699     | BAN102711       | 48%      | 98.4%          | 99.3%            |
| SAU800699     | BBU100629       | 42%      | 98.0%          | 98.0%            |
| SAU800699     | BCE112651       | 28%      | 97.1%          | 89.6%            |
| SAU800699     | BMA107539       | 27%      | 95.8%          | 59.4%            |
| SAU800699     | CAC103266       | 34%      | 97.4%          | 98.7%            |
| SAU800699     | CBO101253       | 42%      | 97.4%          | 99.7%            |
| SAU800699     | CDF104515       | 43%      | 98.0%          | 99.0%            |
| SAU800699     | CDP100365       | 29%      | 91.5%          | 92.5%            |
| SAU800699     | EBC102987       | 29%      | 92.2%          | 92.3%            |
| SAU800699     | EFA201059       | 44%      | 98.0%          | 98.4%            |
| SAU800699     | EFM101242       | 43%      | 99.3%          | 100%             |
| SAU800699     | ECO101691       | 30%      | 95.8%          | 97.1%            |
| SAU800699     | HIN100427       | 30%      | 99.3%          | 99.0%            |
| SAU800699     | KPN300446       | 35%      | 36.3%          | 91.1%            |
| SAU800699     | KPN301962       | 28%      | 98.0%          | 99.0%            |
| SAU800699     | LMO100871       | 44%      | 99.7%          | 99.3%            |
| SAU800699     | MBV102255       | 26%      | 95.4%          | 87.9%            |
| SAU800699     | MLP100531       | 19%      | 88.2%          | 85.8%            |
| SAU800699     | MTU201996       | 26%      | 95.4%          | 87.9%            |
| SAU800699     | MGE100065       | 25%      | 81.4%          | 96.1%            |
| SAU800699     | MPN100076       | 26%      | 86.3%          | 87.3%            |
| SAU800699     | NME200956       | 20%      | 79.7%          | 75.9%            |
| SAU800699     | PMU101796       | 27%      | 96.1%          | 97.7%            |
| SAU800699     | PRT106003       | 29%      | 98.7%          | 98.1%            |
| SAU800699     | SPA103914       | 30%      | 99.0%          | 100%             |
| SAU800699     | STY100943       | 30%      | 99.0%          | 100%             |
| SAU800699     | STM101389       | 30%      | 99.0%          | 100%             |
| SAU800699     | SAU800699       | 100%     | 100%           | 100%             |
| SAU800699     | SEP200740       | 81%      | 100%           | 100%             |
| SAU800699     | SHA102369       | 77%      | 100%           | 100%             |
| SAU800699     | SMU100817       | 44%      | 99.0%          | 100%             |
| SAU800699     | SPN400779       | 46%      | 98.0%          | 99.0%            |
| SAU800699     | SPY200637       | 44%      | 98.0%          | 99.0%            |
| SAU800699     | YPS001092       | 28%      | 94.1%          | 93.3%            |
| SAU800700     | ABA102246       | 39%      | 76.5%          | 86.0%            |
| SAU800700     | BAN111327       | 40%      | 75.6%          | 100%             |
| SAU800700     | BAN110516       | 53%      | 98.0%          | 99.8%            |
| SAU800700     | BPT101778       | 24%      | 21.5%          | 90.3%            |
| SAU800700     | BBU100628       | 41%      | 96.8%          | 97.8%            |
| SAU800700     | BCE105566       | 24%      | 22.5%          | 96.7%            |
| SAU800700     | BFU103417       | 28%      | 21.8%          | 92.7%            |
| SAU800700     | BMA103307       | 28%      | 20.2%          | 76.2%            |
| SAU800700     | CTR200556       | 35%      | 22.5%          | 88.5%            |
| SAU800700     | CBO103578       | 46%      | 69.9%          | 97.6%            |
| SAU800700     | CDF102133       | 48%      | 98.3%          | 99.7%            |
| SAU800700     | CDP100375       | 34%      | 94.8%          | 97.7%            |
| SAU800700     | EBC101473       | 43%      | 75.5%          | 85.9%            |
| SAU800700     | EFA201062       | 49%      | 97.5%          | 98.9%            |
| SAU800700     | EFM202637       | 37%      | 95.2%          | 99.8%            |
| SAU800700     | ECO102126       | 44%      | 69.9%          | 79.4%            |
| SAU800700     | HIN100426       | 43%      | 70.2%          | 80.4%            |
| SAU800700     | KPN302673       | 43%      | 75.2%          | 85.1%            |
| SAU800700     | LMO101732       | 48%      | 98.2%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800700     | MGE100064       | 34%      | 94.2%          | 94.7%            |
| SAU800700     | MPN100077       | 35%      | 93.6%          | 93.8%            |
| SAU800700     | NGO101941       | 33%      | 22.4%          | 97.3%            |
| SAU800700     | NME200870       | 34%      | 22.4%          | 97.3%            |
| SAU800700     | PRT101283       | 28%      | 22.7%          | 96.1%            |
| SAU800700     | PAE203558       | 39%      | 21.9%          | 3.8%             |
| SAU800700     | PPU101409       | 40%      | 21.9%          | 3.8%             |
| SAU800700     | PSY105144       | 41%      | 19.3%          | 0.9%             |
| SAU800700     | SPA103916       | 45%      | 69.6%          | 99.3%            |
| SAU800700     | STY103897       | 44%      | 70.1%          | 97.6%            |
| SAU800700     | STM101392       | 46%      | 69.6%          | 93.9%            |
| SAU800700     | SAU800700       | 100%     | 100%           | 100%             |
| SAU800700     | SEP200741       | 87%      | 100%           | 100%             |
| SAU800700     | SHA102370       | 86%      | 97.5%          | 99.8%            |
| SAU800700     | SMU100819       | 45%      | 97.5%          | 99.5%            |
| SAU800700     | SPN400780       | 46%      | 97.5%          | 99.4%            |
| SAU800700     | SPY200638       | 47%      | 97.9%          | 99.8%            |
| SAU800700     | TPA100084       | 34%      | 22.7%          | 100%             |
| SAU800700     | VCH103241       | 43%      | 21.5%          | 2.1%             |
| SAU800700     | YPS001094       | 41%      | 73.5%          | 82.7%            |
| SAU800701     | ABA101441       | 30%      | 25.2%          | 16.2%            |
| SAU800701     | BAN112706       | 37%      | 94.9%          | 98.1%            |
| SAU800701     | BAN109134       | 42%      | 98.5%          | 97.6%            |
| SAU800701     | BFR11566        | 30%      | 97.7%          | 97.9%            |
| SAU800701     | BFR11862        | 30%      | 97.7%          | 96.9%            |
| SAU800701     | BPT100372       | 30%      | 19.6%          | 14.9%            |
| SAU800701     | BBU100150       | 32%      | 99.0%          | 98.8%            |
| SAU800701     | BCE111462       | 37%      | 96.7%          | 97.5%            |
| SAU800701     | BFU102712       | 37%      | 96.7%          | 97.5%            |
| SAU800701     | BMA103808       | 36%      | 96.7%          | 97.5%            |
| SAU800701     | CAC100532       | 42%      | 97.7%          | 97.6%            |
| SAU800701     | CBO103032       | 42%      | 86.8%          | 88.9%            |
| SAU800701     | CDF103827       | 38%      | 97.7%          | 97.1%            |
| SAU800701     | CDP101711       | 34%      | 83.7%          | 82.7%            |
| SAU800701     | EBC101139       | 32%      | 96.4%          | 96.8%            |
| SAU800701     | EFA200139       | 36%      | 97.2%          | 97.4%            |
| SAU800701     | EFM101955       | 34%      | 49.1%          | 97.8%            |
| SAU800701     | ECO100660       | 28%      | 96.4%          | 96.9%            |
| SAU800701     | HIN100133       | 30%      | 93.4%          | 95.5%            |
| SAU800701     | KPN301179       | 29%      | 96.4%          | 96.9%            |
| SAU800701     | LPN100461       | 48%      | 8.4%           | 7.6%             |
| SAU800701     | LMO101310       | 41%      | 99.5%          | 100%             |
| SAU800701     | MAV101737       | 32%      | 93.4%          | 93.7%            |
| SAU800701     | MBV105301       | 33%      | 94.1%          | 95.0%            |
| SAU800701     | MTU203289       | 33%      | 94.1%          | 95.0%            |
| SAU800701     | PMU100874       | 32%      | 90.1%          | 92.9%            |
| SAU800701     | PRT102743       | 35%      | 97.7%          | 95.9%            |
| SAU800701     | PAE203755       | 35%      | 96.9%          | 98.9%            |
| SAU800701     | PPU106243       | 32%      | 17.6%          | 10.9%            |
| SAU800701     | SPA101690       | 26%      | 94.7%          | 97.4%            |
| SAU800701     | STY101830       | 29%      | 94.7%          | 96.4%            |
| SAU800701     | SAU800701       | 100%     | 100%           | 100%             |
| SAU800701     | SEP200742       | 70%      | 99.7%          | 99.7%            |
| SAU800701     | SHA102517       | 66%      | 98.7%          | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800701     | SMU100804       | 39%      | 86.0%          | 88.0%            |
| SAU800701     | SPN401864       | 35%      | 93.4%          | 93.5%            |
| SAU800701     | SPY201302       | 37%      | 93.6%          | 93.7%            |
| SAU800701     | VCH100977       | 33%      | 86.8%          | 88.9%            |
| SAU800701     | YPS000074       | 32%      | 91.3%          | 93.3%            |
| SAU800719     | ABA100200       | 24%      | 30.0%          | 40.3%            |
| SAU800719     | BAN101020       | 52%      | 70.3%          | 98.7%            |
| SAU800719     | BAN106537       | 45%      | 94.1%          | 97.7%            |
| SAU800719     | BFR10189        | 22%      | 48.3%          | 47.7%            |
| SAU800719     | BPT100647       | 21%      | 48.9%          | 44.4%            |
| SAU800719     | BCE100990       | 25%      | 22.4%          | 23.2%            |
| SAU800719     | BMA102844       | 22%      | 21.7%          | 28.0%            |
| SAU800719     | CJU101363       | 28%      | 17.3%          | 19.2%            |
| SAU800719     | CAC103138       | 31%      | 88.1%          | 91.2%            |
| SAU800719     | CBO101190       | 31%      | 88.9%          | 89.7%            |
| SAU800719     | CBO100209       | 31%      | 95.8%          | 99.2%            |
| SAU800719     | EFA200629       | 45%      | 96.6%          | 91.2%            |
| SAU800719     | EFM200738       | 46%      | 95.5%          | 93.0%            |
| SAU800719     | ECO101469       | 29%      | 11.6%          | 13.1%            |
| SAU800719     | HIN101218       | 21%      | 75.9%          | 79.4%            |
| SAU800719     | HPY100571       | 20%      | 85.0%          | 85.0%            |
| SAU800719     | KPN304077       | 25%      | 15.9%          | 17.5%            |
| SAU800719     | LPN102221       | 19%      | 80.3%          | 77.1%            |
| SAU800719     | LMO102885       | 52%      | 98.1%          | 97.2%            |
| SAU800719     | PMU101683       | 21%      | 73.8%          | 73.2%            |
| SAU800719     | PRT102753       | 24%      | 28.2%          | 33.6%            |
| SAU800719     | PAE201688       | 24%      | 54.3%          | 48%              |
| SAU800719     | PPU108921       | 23%      | 24.6%          | 61.9%            |
| SAU800719     | PPU112431       | 25%      | 48.0%          | 77.4%            |
| SAU800719     | PSY104669       | 24%      | 47.5%          | 42.3%            |
| SAU800719     | STY104492       | 22%      | 24.5%          | 22.5%            |
| SAU800719     | SAU800719       | 100%     | 100%           | 100%             |
| SAU800719     | SEP200765       | 89%      | 100%           | 100%             |
| SAU800719     | SHA101679       | 87%      | 99.8%          | 100%             |
| SAU800719     | SMU100078       | 40%      | 98.0%          | 90.8%            |
| SAU800719     | SPY200599       | 38%      | 96.6%          | 87.4%            |
| SAU800719     | VCH103522       | 25%      | 51.4%          | 45.5%            |
| SAU800719     | YPS003644       | 27%      | 23.2%          | 26.8%            |
| SAU800720     | ABA100489       | 37%      | 84.5%          | 95.8%            |
| SAU800720     | BAN110028       | 38%      | 37.4%          | 76.9%            |
| SAU800720     | BAN101564       | 26%      | 75.0%          | 95.1%            |
| SAU800720     | BAN109552       | 27%      | 20.2%          | 77.1%            |
| SAU800720     | BAN111328       | 24%      | 13.6%          | 89.1%            |
| SAU800720     | BAN108174       | 25%      | 13.6%          | 88%              |
| SAU800720     | BAN110379       | 32%      | 17.6%          | 75.9%            |
| SAU800720     | BAN108774       | 26%      | 13.8%          | 85.5%            |
| SAU800720     | BAN112693       | 31%      | 17.0%          | 78.3%            |
| SAU800720     | BAN101135       | 32%      | 17.0%          | 80.8%            |
| SAU800720     | BAN108206       | 41%      | 12%            | 97.9%            |
| SAU800720     | BAN100158       | 42%      | 24.5%          | 94.4%            |
| SAU800720     | BAN112678       | 44%      | 99.7%          | 99.5%            |
| SAU800720     | BFR10185        | 37%      | 46.7%          | 90.7%            |
| SAU800720     | BPT103035       | 35%      | 40.2%          | 82.9%            |
| SAU800720     | BCE109252       | 34%      | 99.0%          | 99.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800720     | BFU108924       | 35%      | 99.0%          | 99.4%            |
| SAU800720     | BMA108966       | 34%      | 99.0%          | 97.3%            |
| SAU800720     | CJU100819       | 31%      | 54.1%          | 98.6%            |
| SAU800720     | CAC101791       | 42%      | 99.8%          | 99.4%            |
| SAU800720     | CBO101696       | 40%      | 89.3%          | 41.4%            |
| SAU800720     | CDF101289       | 39%      | 99.8%          | 95.8%            |
| SAU800720     | CDP101266       | 37%      | 39.4%          | 95.9%            |
| SAU800720     | EBC103175       | 38%      | 36.6%          | 92.6%            |
| SAU800720     | EFA201844       | 46%      | 98.6%          | 98.6%            |
| SAU800720     | EFM100646       | 48%      | 91.8%          | 98.3%            |
| SAU800720     | ECO100924       | 33%      | 43.7%          | 86.3%            |
| SAU800720     | HIN101309       | 35%      | 14.6%          | 82.8%            |
| SAU800720     | HIN101266       | 35%      | 43.2%          | 86.2%            |
| SAU800720     | KPN302187       | 38%      | 36.6%          | 92.9%            |
| SAU800720     | LPN103510       | 35%      | 97.4%          | 97.9%            |
| SAU800720     | LMO101330       | 45%      | 99.7%          | 100%             |
| SAU800720     | MCA100198       | 35%      | 37.4%          | 93.7%            |
| SAU800720     | MAV100344       | 36%      | 39.4%          | 95.7%            |
| SAU800720     | MBV101523       | 34%      | 96.5%          | 55.2%            |
| SAU800720     | MLP100773       | 35%      | 87.8%          | 46.8%            |
| SAU800720     | MTU202441       | 34%      | 96.5%          | 55.2%            |
| SAU800720     | NGO101191       | 34%      | 99.0%          | 97.8%            |
| SAU800720     | NME201150       | 34%      | 99.0%          | 98.7%            |
| SAU800720     | PMU100877       | 34%      | 52.5%          | 92.8%            |
| SAU800720     | PRT101963       | 34%      | 40%            | 82.9%            |
| SAU800720     | PAE204593       | 34%      | 40.2%          | 96.4%            |
| SAU800720     | PPU109750       | 36%      | 37.4%          | 94.7%            |
| SAU800720     | PSY102871       | 33%      | 99.2%          | 100%             |
| SAU800720     | SPA100983       | 35%      | 37.8%          | 95.8%            |
| SAU800720     | STY104621       | 37%      | 36.6%          | 92.6%            |
| SAU800720     | STM102138       | 33%      | 44.3%          | 88.3%            |
| SAU800720     | SAU800720       | 100%     | 100%           | 100%             |
| SAU800720     | SEP200773       | 80%      | 99.8%          | 100%             |
| SAU800720     | SHA100939       | 77%      | 29.6%          | 88.1%            |
| SAU800720     | SHA101681       | 81%      | 99.8%          | 100%             |
| SAU800720     | SMU100883       | 42%      | 99.7%          | 100%             |
| SAU800720     | SPN401411       | 44%      | 97.4%          | 98.4%            |
| SAU800720     | SPY200645       | 44%      | 96.5%          | 96.8%            |
| SAU800720     | VCH101463       | 34%      | 37.9%          | 81.5%            |
| SAU800720     | YPS002105       | 34%      | 39.7%          | 84.1%            |
| SAU800732     | ABA103998       | 25%      | 81.4%          | 79.4%            |
| SAU800732     | ABA101388       | 25%      | 86.7%          | 90.3%            |
| SAU800732     | BAN111908       | 50%      | 98.5%          | 100%             |
| SAU800732     | BFR10832        | 24%      | 97.8%          | 92.8%            |
| SAU800732     | BPT102919       | 26%      | 79.6%          | 66.8%            |
| SAU800732     | BCE105994       | 26%      | 85.4%          | 71.0%            |
| SAU800732     | BFU106488       | 25%      | 85.4%          | 69.6%            |
| SAU800732     | BMA101937       | 27%      | 85.4%          | 71.0%            |
| SAU800732     | CJU100204       | 22%      | 89.2%          | 84.7%            |
| SAU800732     | CPN200855       | 23%      | 88.5%          | 85.0%            |
| SAU800732     | CTR200210       | 22%      | 86.7%          | 83.2%            |
| SAU800732     | CAC103499       | 27%      | 94.1%          | 91.6%            |
| SAU800732     | CBO100701       | 26%      | 90.4%          | 86.0%            |
| SAU800732     | CDF101630       | 49%      | 98.1%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800732     | CDP101412       | 39%      | 98.5%          | 95.1%            |
| SAU800732     | EBC100530       | 37%      | 98.5%          | 97.8%            |
| SAU800732     | EFA201345       | 43%      | 98.5%          | 96.9%            |
| SAU800732     | EFM200562       | 42%      | 98.1%          | 96.6%            |
| SAU800732     | ECO102621       | 36%      | 98.5%          | 97.8%            |
| SAU800732     | HIN101625       | 22%      | 81.7%          | 77.4%            |
| SAU800732     | HPY100360       | 23%      | 89.2%          | 84.2%            |
| SAU800732     | KPN304452       | 36%      | 98.5%          | 97.5%            |
| SAU800732     | LPN102663       | 24%      | 85.4%          | 77.9%            |
| SAU800732     | LMO101175       | 25%      | 89.2%          | 83.1%            |
| SAU800732     | MCA101601       | 23%      | 81.7%          | 77.4%            |
| SAU800732     | MAV103576       | 38%      | 98.5%          | 96.3%            |
| SAU800732     | MBV102489       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | MLP101065       | 37%      | 98.5%          | 96%              |
| SAU800732     | MTU201948       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | MGE100234       | 32%      | 98.5%          | 91.8%            |
| SAU800732     | MPN100514       | 32%      | 98.5%          | 92.0%            |
| SAU800732     | NGO100274       | 23%      | 81.7%          | 76.0%            |
| SAU800732     | NME201364       | 22%      | 81.7%          | 77.5%            |
| SAU800732     | PMU100719       | 22%      | 81.7%          | 77.4%            |
| SAU800732     | PRT102696       | 38%      | 98.5%          | 96.9%            |
| SAU800732     | PAE201154       | 24%      | 76.5%          | 61.9%            |
| SAU800732     | PPU108078       | 22%      | 76.5%          | 61.8%            |
| SAU800732     | PSY104507       | 23%      | 76.5%          | 61.9%            |
| SAU800732     | SPA100937       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | STY102724       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | STM103201       | 38%      | 98.5%          | 97.8%            |
| SAU800732     | SAU800732       | 100%     | 100%           | 100%             |
| SAU800732     | SEP201119       | 54%      | 99.1%          | 94.1%            |
| SAU800732     | SEP200799       | 91%      | 99.7%          | 100%             |
| SAU800732     | SHA100853       | 90%      | 99.7%          | 100%             |
| SAU800732     | SMU100848       | 41%      | 98.1%          | 97.2%            |
| SAU800732     | SPN401066       | 42%      | 97.8%          | 96.6%            |
| SAU800732     | SPY201058       | 41%      | 97.8%          | 96.9%            |
| SAU800732     | TPA100052       | 25%      | 97.8%          | 92.3%            |
| SAU800732     | VCH101236       | 23%      | 81.7%          | 75.1%            |
| SAU800732     | YPS001318       | 37%      | 98.5%          | 96.6%            |
| SAU800733     | ABA105082       | 38%      | 94.7%          | 97.8%            |
| SAU800733     | BAN113556       | 34%      | 85.1%          | 99.6%            |
| SAU800733     | BAN109705       | 34%      | 96.0%          | 89.9%            |
| SAU800733     | CJU101276       | 47%      | 99.1%          | 99.1%            |
| SAU800733     | CBO102064       | 50%      | 97.5%          | 99.4%            |
| SAU800733     | CDF100649       | 49%      | 98.1%          | 100%             |
| SAU800733     | EFA201992       | 44%      | 95.7%          | 98.1%            |
| SAU800733     | EFM202344       | 40%      | 95.7%          | 97.8%            |
| SAU800733     | NGO100092       | 39%      | 94.4%          | 94.4%            |
| SAU800733     | NME200420       | 40%      | 94.4%          | 94.4%            |
| SAU800733     | PRT102497       | 40%      | 96.0%          | 96.2%            |
| SAU800733     | PPU100159       | 38%      | 94.1%          | 97.1%            |
| SAU800733     | SAU800733       | 100%     | 100%           | 100%             |
| SAU800733     | SEP200801       | 78%      | 100%           | 99.7%            |
| SAU800733     | SHA100854       | 78%      | 99.4%          | 99.7%            |
| SAU800733     | SMU100104       | 50%      | 98.5%          | 99.4%            |
| SAU800733     | SPN401682       | 38%      | 96.6%          | 96.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800733     | VCH102962       | 44%      | 96.0%          | 98.4%            |
| SAU800733     | YPS002721       | 39%      | 95.7%          | 96.6%            |
| SAU800737     | SAU800737       | 100%     | 100%           | 100%             |
| SAU800737     | SEP200811       | 70%      | 100%           | 100%             |
| SAU800737     | SHA102001       | 72%      | 100%           | 100%             |
| SAU800737     | SMU100332       | 46%      | 98.1%          | 99.0%            |
| SAU800737     | SPN301332       | 42%      | 99.0%          | 100%             |
| SAU800737     | SPY200154       | 38%      | 98.1%          | 96.1%            |
| SAU800738     | ABA100810       | 25%      | 88.6%          | 90.9%            |
| SAU800738     | BAN105237       | 37%      | 92.8%          | 95.5%            |
| SAU800738     | BAN104566       | 60%      | 97.4%          | 98.0%            |
| SAU800738     | BFR11211        | 23%      | 77.9%          | 95.1%            |
| SAU800738     | BPT102727       | 23%      | 76.5%          | 82.1%            |
| SAU800738     | BBU100597       | 31%      | 90.2%          | 92.7%            |
| SAU800738     | BCE105021       | 32%      | 76.5%          | 84.4%            |
| SAU800738     | BFU110503       | 28%      | 56.7%          | 31.0%            |
| SAU800738     | BMA103015       | 21%      | 75.2%          | 76.3%            |
| SAU800738     | CJU101581       | 34%      | 61.6%          | 68.2%            |
| SAU800738     | CPN200851       | 32%      | 91.5%          | 91.4%            |
| SAU800738     | CTR200213       | 35%      | 91.5%          | 93.9%            |
| SAU800738     | CAC101781       | 47%      | 97.4%          | 98.0%            |
| SAU800738     | CBO101419       | 48%      | 97.4%          | 97.7%            |
| SAU800738     | CDF101126       | 42%      | 98.4%          | 95.6%            |
| SAU800738     | CDP100735       | 36%      | 42.3%          | 40.6%            |
| SAU800738     | EBC104194       | 26%      | 80.1%          | 86.3%            |
| SAU800738     | EFA200829       | 52%      | 96.1%          | 98.3%            |
| SAU800738     | EFM201956       | 54%      | 92.5%          | 91.3%            |
| SAU800738     | ECO103874       | 26%      | 86.6%          | 92.1%            |
| SAU800738     | HIN100255       | 29%      | 86.3%          | 92.1%            |
| SAU800738     | HPY101397       | 27%      | 89.3%          | 96.1%            |
| SAU800738     | KPN300758       | 27%      | 78.8%          | 85.1%            |
| SAU800738     | LPN101622       | 36%      | 91.5%          | 93.1%            |
| SAU800738     | LMO102057       | 59%      | 95.4%          | 98.3%            |
| SAU800738     | MCA100620       | 26%      | 57.3%          | 67.1%            |
| SAU800738     | MAV103805       | 26%      | 90.6%          | 94.1%            |
| SAU800738     | MBV102338       | 26%      | 90.6%          | 94.0%            |
| SAU800738     | MLP101458       | 25%      | 88.9%          | 92.6%            |
| SAU800738     | MTU200480       | 26%      | 90.6%          | 94.0%            |
| SAU800738     | NGO100898       | 25%      | 91.2%          | 96.8%            |
| SAU800738     | NME200943       | 25%      | 91.2%          | 96.8%            |
| SAU800738     | PMU101589       | 25%      | 79.5%          | 85.9%            |
| SAU800738     | PRT102712       | 26%      | 92.2%          | 97.1%            |
| SAU800738     | PAE202975       | 23%      | 81.1%          | 89.1%            |
| SAU800738     | PPU101791       | 24%      | 88.6%          | 95.9%            |
| SAU800738     | PSY101711       | 23%      | 84.7%          | 92.3%            |
| SAU800738     | SPA103331       | 26%      | 85.7%          | 91.5%            |
| SAU800738     | STY102701       | 27%      | 85.7%          | 91.5%            |
| SAU800738     | STM102039       | 27%      | 85.3%          | 91.2%            |
| SAU800738     | SAU800738       | 100%     | 100%           | 100%             |
| SAU800738     | SEP200812       | 83%      | 99.7%          | 100%             |
| SAU800738     | SHA102002       | 84%      | 98.7%          | 98.7%            |
| SAU800738     | SMU100056       | 53%      | 92.5%          | 92.8%            |
| SAU800738     | SPN401246       | 52%      | 96.7%          | 94.0%            |
| SAU800738     | SPY200834       | 51%      | 92.8%          | 96.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800738     | TPA100089       | 28%      | 90.9%          | 92.4%            |
| SAU800738     | VCH100313       | 28%      | 83.4%          | 84.9%            |
| SAU800738     | YPS000538       | 24%      | 78.8%          | 84.3%            |
| SAU800742     | SAU800742       | 100%     | 100%           | 100%             |
| SAU800742     | SEP200819       | 77%      | 99.5%          | 98.9%            |
| SAU800742     | SHA102006       | 73%      | 99.2%          | 99.5%            |
| SAU800743     | BAN100661       | 50%      | 89.7%          | 89.4%            |
| SAU800743     | BAN105794       | 55%      | 99.5%          | 99.5%            |
| SAU800743     | BFR11051        | 54%      | 98.3%          | 99.0%            |
| SAU800743     | CPN200966       | 29%      | 16.7%          | 14.8%            |
| SAU800743     | CTR200116       | 27%      | 17.2%          | 15.3%            |
| SAU800743     | CAC103052       | 53%      | 98.8%          | 99.3%            |
| SAU800743     | CBO101160       | 52%      | 97.5%          | 98.0%            |
| SAU800743     | CDF102303       | 50%      | 99.5%          | 99.5%            |
| SAU800743     | EBC102861       | 51%      | 98.0%          | 98.5%            |
| SAU800743     | EFA202002       | 47%      | 97.5%          | 98.3%            |
| SAU800743     | EFA202365       | 54%      | 98.5%          | 99.0%            |
| SAU800743     | EFM200402       | 50%      | 98.5%          | 98.8%            |
| SAU800743     | ECO101100       | 51%      | 99.0%          | 99.3%            |
| SAU800743     | HIN101314       | 43%      | 98.3%          | 97.6%            |
| SAU800743     | KPN302598       | 50%      | 98.0%          | 97.8%            |
| SAU800743     | LMO102174       | 53%      | 98.0%          | 98.0%            |
| SAU800743     | PMU100265       | 44%      | 97.5%          | 96.8%            |
| SAU800743     | PRT102290       | 38%      | 96.3%          | 98.0%            |
| SAU800743     | SPA104230       | 52%      | 86.0%          | 98.0%            |
| SAU800743     | STY102563       | 50%      | 98.0%          | 98.0%            |
| SAU800743     | STM102752       | 50%      | 98.0%          | 98.0%            |
| SAU800743     | SAU800743       | 100%     | 100%           | 100%             |
| SAU800743     | SEP200821       | 80%      | 100%           | 99.0%            |
| SAU800743     | SHA102007       | 78%      | 100%           | 99.8%            |
| SAU800743     | SMU100892       | 53%      | 97.8%          | 98.3%            |
| SAU800743     | SPN400913       | 51%      | 98.0%          | 98.8%            |
| SAU800743     | SPY200591       | 50%      | 97.8%          | 98.5%            |
| SAU800743     | VCH102915       | 49%      | 99.3%          | 98.8%            |
| SAU800743     | YPS003245       | 49%      | 98.0%          | 97.6%            |
| SAU800753     | ABA101280       | 46%      | 90.2%          | 97.6%            |
| SAU800753     | BAN110913       | 41%      | 99.5%          | 99.4%            |
| SAU800753     | BAN103692       | 59%      | 99.9%          | 99.5%            |
| SAU800753     | BFR11725        | 38%      | 3.6%           | 8.8%             |
| SAU800753     | BPT102975       | 44%      | 100%           | 99.7%            |
| SAU800753     | BBU100153       | 40%      | 98.8%          | 98.4%            |
| SAU800753     | BCE111466       | 51%      | 68.0%          | 94.8%            |
| SAU800753     | BFU106498       | 45%      | 99.9%          | 99.5%            |
| SAU800753     | BMA103047       | 45%      | 99.9%          | 99.5%            |
| SAU800753     | CJU100872       | 46%      | 98.8%          | 97.4%            |
| SAU800753     | CPN201009       | 41%      | 7.2%           | 19.1%            |
| SAU800753     | CTR200074       | 41%      | 4.0%           | 16.4%            |
| SAU800753     | CAC100650       | 52%      | 100%           | 99.8%            |
| SAU800753     | CBO100098       | 53%      | 100%           | 99.2%            |
| SAU800753     | CDF100803       | 49%      | 92.5%          | 98.6%            |
| SAU800753     | CDF101445       | 48%      | 100%           | 100%             |
| SAU800753     | CDP100932       | 46%      | 94.3%          | 99.2%            |
| SAU800753     | EBC107179       | 51%      | 44.2%          | 96.2%            |
| SAU800753     | EFA200590       | 56%      | 99.8%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800753     | EFM100280       | 61%      | 26.8%          | 98.2%            |
| SAU800753     | ECO100098       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | HIN100888       | 42%      | 99.9%          | 99.3%            |
| SAU800753     | HPY100773       | 46%      | 98.8%          | 97.3%            |
| SAU800753     | KPN300997       | 45%      | 98.8%          | 98.2%            |
| SAU800753     | LPN103376       | 46%      | 98.7%          | 98.2%            |
| SAU800753     | LMO101013       | 60%      | 99.9%          | 99.5%            |
| SAU800753     | MCA100812       | 42%      | 98.8%          | 98.4%            |
| SAU800753     | MAV101468       | 46%      | 91.3%          | 88.4%            |
| SAU800753     | MBV103337       | 46%      | 94.0%          | 90.8%            |
| SAU800753     | MLP100475       | 46%      | 92.6%          | 88.8%            |
| SAU800753     | MTU203197       | 46%      | 95.3%          | 90.9%            |
| SAU800753     | MGE100074       | 42%      | 91.1%          | 94.3%            |
| SAU800753     | MPN100621       | 43%      | 91.1%          | 94.1%            |
| SAU800753     | NGO100323       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | NME201594       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | PMU101219       | 45%      | 99.5%          | 98.9%            |
| SAU800753     | PRT105129       | 46%      | 98.8%          | 98.3%            |
| SAU800753     | PAE204401       | 45%      | 98.8%          | 98.4%            |
| SAU800753     | PPU107707       | 46%      | 98.8%          | 95.4%            |
| SAU800753     | PSY103871       | 46%      | 97.7%          | 99.6%            |
| SAU800753     | SPA100472       | 42%      | 64.3%          | 85.7%            |
| SAU800753     | STY103214       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | STM102926       | 45%      | 98.8%          | 98.3%            |
| SAU800753     | SAU800753       | 100%     | 100%           | 100%             |
| SAU800753     | SEP201381       | 90%      | 100%           | 99.9%            |
| SAU800753     | SHA101267       | 89%      | 100%           | 99.8%            |
| SAU800753     | SMU101178       | 55%      | 99.6%          | 99.2%            |
| SAU800753     | SPN401543       | 54%      | 99.6%          | 99.3%            |
| SAU800753     | SPY201389       | 53%      | 99.6%          | 99.0%            |
| SAU800753     | TPA100375       | 42%      | 98.8%          | 98.5%            |
| SAU800753     | UUR100118       | 43%      | 91.3%          | 91.4%            |
| SAU800753     | VCH102359       | 46%      | 99.6%          | 99.2%            |
| SAU800753     | YPS001804       | 45%      | 98.8%          | 98.3%            |
| SAU800759     | ABA101958       | 56%      | 99.1%          | 100%             |
| SAU800759     | BAN113089       | 38%      | 93.8%          | 57.7%            |
| SAU800759     | BAN100680       | 70%      | 99.5%          | 98.1%            |
| SAU800759     | BFR11670        | 54%      | 12.1%          | 75.6%            |
| SAU800759     | BPT100944       | 56%      | 11.9%          | 75.8%            |
| SAU800759     | BBU100836       | 53%      | 75.3%          | 12.1%            |
| SAU800759     | BCE103574       | 58%      | 11.8%          | 75.5%            |
| SAU800759     | BFU103391       | 57%      | 74.9%          | 11.6%            |
| SAU800759     | BMA102344       | 57%      | 98.5%          | 100%             |
| SAU800759     | CJU100311       | 51%      | 99.2%          | 99.7%            |
| SAU800759     | CPN200666       | 35%      | 62.9%          | 99.8%            |
| SAU800759     | CTR200602       | 34%      | 60.7%          | 99.4%            |
| SAU800759     | CAC103028       | 61%      | 74.9%          | 11.8%            |
| SAU800759     | CBO100949       | 63%      | 74.9%          | 11.8%            |
| SAU800759     | CDF101156       | 61%      | 98.5%          | 99.6%            |
| SAU800759     | CDP100967       | 57%      | 11.6%          | 75.1%            |
| SAU800759     | EBC104211       | 57%      | 11.8%          | 76.1%            |
| SAU800759     | EFA200963       | 68%      | 99.1%          | 100%             |
| SAU800759     | EFM100494       | 74%      | 33.2%          | 54.9%            |
| SAU800759     | ECO103952       | 57%      | 11.8%          | 76.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800759     | HIN100236       | 58%      | 12.9%          | 76.9%            |
| SAU800759     | HPY100696       | 51%      | 75.2%          | 12.2%            |
| SAU800759     | KPN300132       | 73%      | 75.4%          | 91.3%            |
| SAU800759     | KPN304697       | 57%      | 11.8%          | 76.0%            |
| SAU800759     | LPN101592       | 58%      | 99.1%          | 99.1%            |
| SAU800759     | LMO102288       | 69%      | 100%           | 99.3%            |
| SAU800759     | MCA100016       | 61%      | 33.0%          | 55.9%            |
| SAU800759     | MAV106576       | 59%      | 74.9%          | 11.4%            |
| SAU800759     | MBV101262       | 56%      | 11.4%          | 78.7%            |
| SAU800759     | MLP100862       | 58%      | 76.3%          | 13.0%            |
| SAU800759     | MTU201617       | 58%      | 74.9%          | 11.4%            |
| SAU800759     | MGE100431       | 55%      | 11.6%          | 74.6%            |
| SAU800759     | MPN100223       | 55%      | 11.6%          | 75.1%            |
| SAU800759     | NGO101264       | 58%      | 98.6%          | 95.3%            |
| SAU800759     | NME201071       | 58%      | 98.5%          | 98.6%            |
| SAU800759     | PMU101951       | 58%      | 12.8%          | 76.8%            |
| SAU800759     | PRT100660       | 58%      | 75.4%          | 12.3%            |
| SAU800759     | PAE204232       | 58%      | 11.8%          | 75.7%            |
| SAU800759     | PPU108153       | 58%      | 11.8%          | 75.6%            |
| SAU800759     | PSY105787       | 57%      | 5.1%           | 74.0%            |
| SAU800759     | SPA102876       | 46%      | 10.4%          | 74.8%            |
| SAU800759     | STY102276       | 57%      | 11.8%          | 76.0%            |
| SAU800759     | SAU800759       | 100%     | 100%           | 100%             |
| SAU800759     | SEP201393       | 90%      | 99.3%          | 99.7%            |
| SAU800759     | SHA101501       | 91%      | 99.4%          | 99.8%            |
| SAU800759     | SMU101222       | 68%      | 62.6%          | 99.5%            |
| SAU800759     | SPN400171       | 66%      | 99.1%          | 99.9%            |
| SAU800759     | SPY201403       | 67%      | 74.9%          | 11.8%            |
| SAU800759     | TPA100510       | 55%      | 75.4%          | 12.1%            |
| SAU800759     | UUR100101       | 54%      | 74.9%          | 11.8%            |
| SAU800759     | VCH100389       | 58%      | 11.6%          | 75.7%            |
| SAU800759     | YPS002814       | 57%      | 99.1%          | 99.6%            |
| SAU800760     | BAN107071       | 45%      | 95.2%          | 97.7%            |
| SAU800760     | BAN109743       | 63%      | 96.1%          | 96.4%            |
| SAU800760     | BPT101777       | 36%      | 98.4%          | 99.7%            |
| SAU800760     | BCE114457       | 35%      | 92.6%          | 84.7%            |
| SAU800760     | BFU103416       | 35%      | 92.6%          | 89.4%            |
| SAU800760     | BMA105321       | 35%      | 92.3%          | 89.1%            |
| SAU800760     | CAC103664       | 46%      | 96.1%          | 97.7%            |
| SAU800760     | CBO103006       | 44%      | 98.1%          | 98.7%            |
| SAU800760     | CDF101148       | 45%      | 96.8%          | 97.1%            |
| SAU800760     | EFA201005       | 50%      | 96.8%          | 96.8%            |
| SAU800760     | EFM101937       | 53%      | 49.7%          | 96.2%            |
| SAU800760     | LMO102906       | 56%      | 99.4%          | 98.7%            |
| SAU800760     | MGE100087       | 30%      | 90.6%          | 90.4%            |
| SAU800760     | MPN100608       | 32%      | 99.4%          | 98.7%            |
| SAU800760     | NGO101943       | 35%      | 96.5%          | 93.8%            |
| SAU800760     | NME200871       | 35%      | 96.5%          | 93.8%            |
| SAU800760     | SAU800760       | 100%     | 100%           | 100%             |
| SAU800760     | SEP201395       | 89%      | 100%           | 100%             |
| SAU800760     | SHA101502       | 88%      | 100%           | 99.7%            |
| SAU800760     | SMU100034       | 49%      | 97.7%          | 97.7%            |
| SAU800760     | SPN401269       | 49%      | 96.8%          | 95.3%            |
| SAU800760     | SPY200421       | 46%      | 97.7%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800760     | TPA100584       | 46%      | 95.8%          | 93.4%            |
| SAU800760     | UUR100074       | 29%      | 96.5%          | 97.4%            |
| SAU800765     | ABA105050       | 37%      | 93.1%          | 97.2%            |
| SAU800765     | BAN105743       | 42%      | 81.8%          | 98.0%            |
| SAU800765     | BAN103527       | 53%      | 97.0%          | 99.0%            |
| SAU800765     | BPT101774       | 36%      | 89.1%          | 93.1%            |
| SAU800765     | BCE105719       | 40%      | 94.4%          | 94.7%            |
| SAU800765     | BFU103415       | 40%      | 95.4%          | 92.6%            |
| SAU800765     | BMA101496       | 38%      | 94.1%          | 96.0%            |
| SAU800765     | CAC100640       | 46%      | 95.7%          | 98.6%            |
| SAU800765     | CBO103526       | 47%      | 95.7%          | 98.6%            |
| SAU800765     | CDF101175       | 46%      | 93.7%          | 98.6%            |
| SAU800765     | CDP100284       | 41%      | 92.7%          | 94.2%            |
| SAU800765     | EBC104047       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | EFA200958       | 50%      | 93.4%          | 94.6%            |
| SAU800765     | EFM102057       | 65%      | 13.5%          | 78%              |
| SAU800765     | ECO103135       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | HIN101120       | 42%      | 88.4%          | 91.0%            |
| SAU800765     | KPN301883       | 41%      | 92.7%          | 96.8%            |
| SAU800765     | LMO101258       | 52%      | 95.4%          | 97.6%            |
| SAU800765     | MCA100868       | 36%      | 93.7%          | 95.9%            |
| SAU800765     | MAV100819       | 40%      | 93.4%          | 91.3%            |
| SAU800765     | MBV102154       | 40%      | 96.0%          | 95.7%            |
| SAU800765     | MLP100349       | 40%      | 96.4%          | 97.7%            |
| SAU800765     | MTU201402       | 40%      | 96.0%          | 95.7%            |
| SAU800765     | NGO101945       | 34%      | 95.4%          | 99.3%            |
| SAU800765     | NME200872       | 35%      | 93.7%          | 97.5%            |
| SAU800765     | PMU100169       | 42%      | 93.1%          | 95.8%            |
| SAU800765     | PRT101284       | 40%      | 92.7%          | 97.2%            |
| SAU800765     | PAE204463       | 38%      | 93.1%          | 98.3%            |
| SAU800765     | PPU103901       | 39%      | 93.1%          | 98.9%            |
| SAU800765     | PSY104751       | 39%      | 93.1%          | 98.6%            |
| SAU800765     | SPA101395       | 40%      | 92.7%          | 97.2%            |
| SAU800765     | STY101515       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | STM101784       | 40%      | 92.7%          | 96.8%            |
| SAU800765     | SAU800765       | 100%     | 100%           | 100%             |
| SAU800765     | SEP201405       | 84%      | 99.7%          | 100%             |
| SAU800765     | SHA100647       | 77%      | 98.7%          | 100%             |
| SAU800765     | SMU100310       | 48%      | 94.7%          | 95.6%            |
| SAU800765     | SPN401423       | 47%      | 94.7%          | 95.6%            |
| SAU800765     | SPY200470       | 49%      | 93.1%          | 93.9%            |
| SAU800765     | VCH102495       | 43%      | 89.4%          | 93.7%            |
| SAU800765     | YPS002374       | 41%      | 92.7%          | 96.8%            |
| SAU800766     | BAN111073       | 43%      | 90.3%          | 98.4%            |
| SAU800766     | BAN103579       | 50%      | 94.6%          | 98.4%            |
| SAU800766     | CAC100700       | 42%      | 94.6%          | 69.8%            |
| SAU800766     | CBO102977       | 42%      | 94.6%          | 70.8%            |
| SAU800766     | CDF101172       | 43%      | 95.2%          | 86.0%            |
| SAU800766     | CDP100282       | 36%      | 71.9%          | 77.4%            |
| SAU800766     | EBC102211       | 35%      | 74.0%          | 81.5%            |
| SAU800766     | EFA200956       | 39%      | 76.4%          | 78.5%            |
| SAU800766     | EFM101137       | 36%      | 48.6%          | 71.4%            |
| SAU800766     | ECO100756       | 36%      | 74.0%          | 81.5%            |
| SAU800766     | KPN303577       | 36%      | 74.0%          | 81.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800766     | LMO102839       | 46%      | 90.0%          | 91.3%            |
| SAU800766     | MAV100820       | 37%      | 71.0%          | 68.7%            |
| SAU800766     | MBV102152       | 38%      | 71.0%          | 71.9%            |
| SAU800766     | MLP100350       | 37%      | 71.0%          | 68.5%            |
| SAU800766     | MTU201403       | 38%      | 71.0%          | 71.9%            |
| SAU800766     | PMU100626       | 36%      | 74.9%          | 80.5%            |
| SAU800766     | PRT106022       | 32%      | 90.6%          | 95.2%            |
| SAU800766     | SPA102731       | 34%      | 74.0%          | 81.5%            |
| SAU800766     | STY102319       | 34%      | 74.0%          | 81.5%            |
| SAU800766     | SAU800766       | 100%     | 100%           | 100%             |
| SAU800766     | SEP201410       | 79%      | 100%           | 100%             |
| SAU800766     | SHA100648       | 72%      | 98.5%          | 99.4%            |
| SAU800766     | SMU100308       | 40%      | 92.1%          | 95.4%            |
| SAU800766     | SPN401422       | 41%      | 76.4%          | 80%              |
| SAU800766     | SPY200471       | 42%      | 75.2%          | 78.5%            |
| SAU800766     | VCH101004       | 34%      | 74.0%          | 83.1%            |
| SAU800766     | YPS002147       | 33%      | 74.6%          | 80.8%            |
| SAU800767     | BAN105219       | 58%      | 99.4%          | 99.1%            |
| SAU800767     | BAN112086       | 62%      | 99.4%          | 99.1%            |
| SAU800767     | CAC102108       | 46%      | 97.8%          | 98.7%            |
| SAU800767     | CBO101086       | 48%      | 98.4%          | 99.7%            |
| SAU800767     | CDF101166       | 46%      | 97.8%          | 98.1%            |
| SAU800767     | CDP100280       | 25%      | 96.8%          | 92.7%            |
| SAU800767     | EFA200954       | 60%      | 97.8%          | 98.7%            |
| SAU800767     | EFM101138       | 59%      | 97.8%          | 98.7%            |
| SAU800767     | LMO101438       | 61%      | 98.7%          | 96.3%            |
| SAU800767     | MAV100821       | 27%      | 97.1%          | 93.3%            |
| SAU800767     | MBV102150       | 26%      | 95.9%          | 92.6%            |
| SAU800767     | MLP100351       | 27%      | 95.5%          | 92.3%            |
| SAU800767     | MTU201404       | 26%      | 95.9%          | 92.6%            |
| SAU800767     | MGE100105       | 28%      | 74.8%          | 84.3%            |
| SAU800767     | MPN100590       | 25%      | 58.0%          | 66.1%            |
| SAU800767     | SAU800767       | 100%     | 100%           | 100%             |
| SAU800767     | SEP201411       | 91%      | 100%           | 100%             |
| SAU800767     | SHA100649       | 91%      | 100%           | 100%             |
| SAU800767     | SMU100307       | 41%      | 97.5%          | 100%             |
| SAU800767     | SPN401421       | 44%      | 90.1%          | 93.4%            |
| SAU800767     | SPY200472       | 41%      | 97.5%          | 100%             |
| SAU800767     | UUR100071       | 26%      | 97.5%          | 92.4%            |
| SAU800771     | BAN108269       | 31%      | 70.0%          | 69.6%            |
| SAU800771     | BAN110794       | 45%      | 98.8%          | 97.7%            |
| SAU800771     | BCE114311       | 21%      | 72.7%          | 74.4%            |
| SAU800771     | BFU102348       | 23%      | 73.0%          | 74.9%            |
| SAU800771     | BMA106496       | 30%      | 70.9%          | 73.2%            |
| SAU800771     | CAC100566       | 40%      | 100%           | 98.3%            |
| SAU800771     | CBO100266       | 41%      | 99.7%          | 97.4%            |
| SAU800771     | CDF100380       | 39%      | 99.7%          | 99.1%            |
| SAU800771     | CDP101585       | 25%      | 75.1%          | 72.9%            |
| SAU800771     | EBC103770       | 26%      | 65.3%          | 71.7%            |
| SAU800771     | EFA204507       | 43%      | 97.6%          | 96.5%            |
| SAU800771     | EFM102024       | 45%      | 42.4%          | 98.6%            |
| SAU800771     | ECO101483       | 28%      | 70.0%          | 75.1%            |
| SAU800771     | KPN300900       | 26%      | 58.2%          | 96.2%            |
| SAU800771     | LPN102590       | 28%      | 29.1%          | 26.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800771     | LMO102755       | 46%      | 100%           | 98.0%            |
| SAU800771     | PMU101646       | 24%      | 81.6%          | 89.3%            |
| SAU800771     | PRT100531       | 23%      | 76.3%          | 83.8%            |
| SAU800771     | PSY101669       | 25%      | 70.3%          | 80.8%            |
| SAU800771     | SPA102585       | 24%      | 70.3%          | 75.2%            |
| SAU800771     | STY103167       | 25%      | 69.7%          | 74.6%            |
| SAU800771     | SAU800771       | 100%     | 100%           | 100%             |
| SAU800771     | SEP201414       | 81%      | 100%           | 100%             |
| SAU800771     | SHA101580       | 81%      | 99.7%          | 99.7%            |
| SAU800771     | SPN400228       | 24%      | 71.8%          | 77.0%            |
| SAU800771     | SPY201573       | 23%      | 84.6%          | 89.9%            |
| SAU800771     | VCH103344       | 21%      | 77.2%          | 81.0%            |
| SAU800771     | YPS000053       | 21%      | 84.6%          | 91.5%            |
| SAU800772     | CJU101322       | 45%      | 98.8%          | 99.1%            |
| SAU800772     | CPN200121       | 46%      | 99.4%          | 100%             |
| SAU800772     | CTR200781       | 48%      | 99.4%          | 100%             |
| SAU800772     | CAC100263       | 73%      | 99.1%          | 99.4%            |
| SAU800772     | CDF102031       | 71%      | 99.4%          | 99.7%            |
| SAU800772     | CDP100278       | 53%      | 99.1%          | 99.4%            |
| SAU800772     | EBC102594       | 57%      | 88.1%          | 99.3%            |
| SAU800772     | EFA202219       | 72%      | 99.4%          | 100%             |
| SAU800772     | EFM201407       | 57%      | 99.4%          | 100%             |
| SAU800772     | ECO202059       | 58%      | 98.5%          | 99.4%            |
| SAU800772     | KPN300047       | 57%      | 44.3%          | 91.3%            |
| SAU800772     | KPN300286       | 56%      | 67.0%          | 88.9%            |
| SAU800772     | KPN305000       | 56%      | 97.9%          | 99.1%            |
| SAU800772     | LMO100694       | 74%      | 100%           | 100%             |
| SAU800772     | MAV104847       | 50%      | 99.1%          | 99.4%            |
| SAU800772     | MBV102165       | 50%      | 96.7%          | 97.1%            |
| SAU800772     | MLP100354       | 49%      | 96.7%          | 97.1%            |
| SAU800772     | MTU201417       | 50%      | 96.7%          | 97.1%            |
| SAU800772     | MGE100307       | 54%      | 98.8%          | 97.9%            |
| SAU800772     | MPN100411       | 55%      | 98.8%          | 97.9%            |
| SAU800772     | NGO100027       | 70%      | 98.8%          | 92.7%            |
| SAU800772     | NME200230       | 70%      | 98.8%          | 99.1%            |
| SAU800772     | PMU100924       | 45%      | 98.5%          | 98.5%            |
| SAU800772     | SAU800772       | 100%     | 100%           | 100%             |
| SAU800772     | SEP201415       | 92%      | 100%           | 100%             |
| SAU800772     | SHA101581       | 92%      | 100%           | 100%             |
| SAU800772     | SMU100690       | 68%      | 100%           | 100%             |
| SAU800772     | SPN401823       | 69%      | 100%           | 93.3%            |
| SAU800772     | SPY200203       | 67%      | 100%           | 100%             |
| SAU800772     | VCH101970       | 47%      | 99.1%          | 100%             |
| SAU800772     | YPS000708       | 47%      | 99.1%          | 99.1%            |
| SAU800776     | ABA104568       | 60%      | 99.8%          | 100%             |
| SAU800776     | BAN112137       | 75%      | 8.5%           | 100%             |
| SAU800776     | BAN104797       | 55%      | 99.3%          | 100%             |
| SAU800776     | BAN107021       | 75%      | 100%           | 100%             |
| SAU800776     | BFR12193        | 72%      | 96.8%          | 97.4%            |
| SAU800776     | BPT101700       | 62%      | 99.5%          | 99.8%            |
| SAU800776     | BBU100336       | 62%      | 98.8%          | 98.4%            |
| SAU800776     | BCE108074       | 64%      | 99.5%          | 99.8%            |
| SAU800776     | BFU100260       | 65%      | 66.1%          | 96.9%            |
| SAU800776     | BFU102355       | 63%      | 99.5%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800776     | BMA107873       | 60%      | 49.3%          | 100%             |
| SAU800776     | CJU101577       | 53%      | 98.4%          | 99.8%            |
| SAU800776     | CPN201052       | 57%      | 95.6%          | 94.6%            |
| SAU800776     | CTR200865       | 55%      | 98.4%          | 98.3%            |
| SAU800776     | CAC102398       | 64%      | 99.3%          | 98.6%            |
| SAU800776     | CBO103490       | 65%      | 99.3%          | 98.6%            |
| SAU800776     | CDF100088       | 71%      | 22.6%          | 100%             |
| SAU800776     | CDF100292       | 69%      | 100%           | 96.0%            |
| SAU800776     | CDP100889       | 58%      | 98.8%          | 98.8%            |
| SAU800776     | EBC102297       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | EFA202223       | 74%      | 99.5%          | 99.3%            |
| SAU800776     | EFM100534       | 72%      | 88.2%          | 99.2%            |
| SAU800776     | ECO102719       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | HIN100911       | 59%      | 98.6%          | 98.9%            |
| SAU800776     | HPY100151       | 53%      | 96.1%          | 96.7%            |
| SAU800776     | KPN305114       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | LPN102643       | 56%      | 94.9%          | 96.2%            |
| SAU800776     | LMO102639       | 73%      | 100%           | 100%             |
| SAU800776     | MCA101099       | 58%      | 98.8%          | 95.5%            |
| SAU800776     | MAV105503       | 58%      | 98.8%          | 98.1%            |
| SAU800776     | MBV103580       | 56%      | 98.8%          | 95.9%            |
| SAU800776     | MLP100182       | 55%      | 98.8%          | 94.2%            |
| SAU800776     | MTU201012       | 56%      | 98.8%          | 98.1%            |
| SAU800776     | MGE100419       | 52%      | 98.8%          | 96.1%            |
| SAU800776     | MPN100236       | 52%      | 98.8%          | 96.5%            |
| SAU800776     | NGO100995       | 62%      | 100%           | 100%             |
| SAU800776     | NME201361       | 61%      | 100%           | 100%             |
| SAU800776     | PMU101871       | 59%      | 98.6%          | 98.8%            |
| SAU800776     | PRT101034       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | PAE203633       | 62%      | 98.8%          | 99.5%            |
| SAU800776     | PPU109835       | 61%      | 94.2%          | 99.5%            |
| SAU800776     | PSY104326       | 61%      | 98.8%          | 91.0%            |
| SAU800776     | SPA104184       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | STY103508       | 58%      | 98.4%          | 98.6%            |
| SAU800776     | SAU800776       | 100%     | 100%           | 100%             |
| SAU800776     | SEP201419       | 94%      | 100%           | 100%             |
| SAU800776     | SHA101585       | 97%      | 40.1%          | 100%             |
| SAU800776     | SMU100190       | 82%      | 100%           | 100%             |
| SAU800776     | SPN401036       | 81%      | 100%           | 100%             |
| SAU800776     | SPY200535       | 81%      | 100%           | 100%             |
| SAU800776     | TPA100808       | 58%      | 98.8%          | 98.8%            |
| SAU800776     | UUR100184       | 45%      | 98.2%          | 98.9%            |
| SAU800776     | VCH102411       | 57%      | 98.4%          | 98.6%            |
| SAU800776     | YPS000129       | 58%      | 98.4%          | 98.8%            |
| SAU800777     | ECO200746       | 26%      | 55.9%          | 80%              |
| SAU800777     | KPN101512       | 27%      | 63.2%          | 72.8%            |
| SAU800777     | SAU800777       | 100%     | 100%           | 100%             |
| SAU800777     | SEP203649       | 65%      | 100%           | 100%             |
| SAU800777     | SHA100415       | 59%      | 97.4%          | 89.7%            |
| SAU800782     | ABA100100       | 42%      | 96.1%          | 94.3%            |
| SAU800782     | BAN113552       | 61%      | 97.4%          | 96.8%            |
| SAU800782     | BFR10554        | 49%      | 90.9%          | 94%              |
| SAU800782     | BPT101160       | 45%      | 92.9%          | 92.9%            |
| SAU800782     | BBU100033       | 47%      | 92.2%          | 94.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800782     | BCE114906       | 43%      | 93.5%          | 98.0%            |
| SAU800782     | BFU105731       | 42%      | 93.5%          | 98.0%            |
| SAU800782     | BMA109523       | 42%      | 93.5%          | 98.0%            |
| SAU800782     | CJU101031       | 40%      | 92.2%          | 96%              |
| SAU800782     | CPN200415       | 47%      | 100%           | 90.9%            |
| SAU800782     | CTR200342       | 47%      | 94.2%          | 96.0%            |
| SAU800782     | CAC101932       | 60%      | 98.1%          | 98.1%            |
| SAU800782     | CBO103142       | 65%      | 99.4%          | 98.1%            |
| SAU800782     | CDF101608       | 54%      | 100%           | 92.6%            |
| SAU800782     | CDP101712       | 49%      | 77.9%          | 94.5%            |
| SAU800782     | EBC102473       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | EFA201607       | 62%      | 92.2%          | 92.2%            |
| SAU800782     | EFM200170       | 58%      | 92.2%          | 92.2%            |
| SAU800782     | ECO102567       | 46%      | 98.1%          | 97.5%            |
| SAU800782     | HIN100962       | 47%      | 98.1%          | 96.3%            |
| SAU800782     | HPY101423       | 37%      | 94.2%          | 96.7%            |
| SAU800782     | KPN301267       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | LPN103276       | 45%      | 96.8%          | 96.2%            |
| SAU800782     | LMO101222       | 68%      | 93.5%          | 93.5%            |
| SAU800782     | MCA102816       | 46%      | 98.1%          | 98.1%            |
| SAU800782     | MAV101105       | 47%      | 98.1%          | 89.3%            |
| SAU800782     | MBV105886       | 48%      | 93.5%          | 90%              |
| SAU800782     | MLP100416       | 50%      | 93.5%          | 90%              |
| SAU800782     | MTU203060       | 48%      | 93.5%          | 90%              |
| SAU800782     | MGE100061       | 36%      | 92.2%          | 97.9%            |
| SAU800782     | MPN100081       | 37%      | 89.0%          | 93.2%            |
| SAU800782     | NGO100293       | 45%      | 92.2%          | 95.3%            |
| SAU800782     | NME201585       | 45%      | 92.2%          | 95.3%            |
| SAU800782     | PMU100217       | 45%      | 98.1%          | 96.9%            |
| SAU800782     | PRT103727       | 48%      | 98.1%          | 97.5%            |
| SAU800782     | PAE204764       | 45%      | 96.8%          | 94.3%            |
| SAU800782     | PPU108560       | 42%      | 96.8%          | 93.8%            |
| SAU800782     | PSY104780       | 42%      | 98.1%          | 95%              |
| SAU800782     | SPA103688       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | STY102601       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | STM102501       | 47%      | 98.1%          | 97.5%            |
| SAU800782     | SAU800782       | 100%     | 100%           | 100%             |
| SAU800782     | SEP201423       | 89%      | 100%           | 100%             |
| SAU800782     | SHA100862       | 86%      | 100%           | 100%             |
| SAU800782     | SMU101107       | 57%      | 96.1%          | 95.5%            |
| SAU800782     | SPN400879       | 60%      | 92.9%          | 92.3%            |
| SAU800782     | SPY200359       | 57%      | 92.2%          | 91.6%            |
| SAU800782     | TPA100182       | 42%      | 86.4%          | 99.3%            |
| SAU800782     | UUR100056       | 41%      | 92.2%          | 97.9%            |
| SAU800782     | VCH100832       | 43%      | 98.7%          | 98.1%            |
| SAU800782     | YPS002052       | 46%      | 98.1%          | 97.5%            |
| SAU800811     | BAN100965       | 20%      | 36.0%          | 19.6%            |
| SAU800811     | BAN111001       | 21%      | 5.3%           | 7.2%             |
| SAU800811     | BAN109365       | 18%      | 37.2%          | 25.7%            |
| SAU800811     | BFR100579       | 20%      | 33.7%          | 12.7%            |
| SAU800811     | BFR102947       | 19%      | 18.3%          | 20.9%            |
| SAU800811     | BFR101444       | 18%      | 12.9%          | 23.1%            |
| SAU800811     | BBU100325       | 24%      | 20.3%          | 15.5%            |
| SAU800811     | BFU103969       | 74%      | 14.0%          | 25%              |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800811     | BMA101165       | 50%      | 12.9%          | 15.2%            |
| SAU800811     | BMA103470       | 54%      | 6.8%           | 27.2%            |
| SAU800811     | BMA104606       | 29%      | 25.0%          | 64.3%            |
| SAU800811     | CJU101103       | 18%      | 29.5%          | 62.5%            |
| SAU800811     | CPN200033       | 17%      | 32.8%          | 29.9%            |
| SAU800811     | CAC102616       | 22%      | 19.1%          | 39.3%            |
| SAU800811     | CBO103272       | 14%      | 21.1%          | 59.3%            |
| SAU800811     | CBO103679       | 27%      | 2.9%           | 19.6%            |
| SAU800811     | CDF101661       | 24%      | 37.6%          | 65.9%            |
| SAU800811     | EFA203524       | 24%      | 25.1%          | 30.4%            |
| SAU800811     | EFM201584       | 17%      | 48.0%          | 58.5%            |
| SAU800811     | ECO103311       | 23%      | 25.0%          | 61.0%            |
| SAU800811     | HPY200074       | 17%      | 45.8%          | 33.9%            |
| SAU800811     | KPN206267       | 72%      | 35.0%          | 26.5%            |
| SAU800811     | LPN101461       | 35%      | 37.2%          | 43.2%            |
| SAU800811     | LMO101963       | 21%      | 15.3%          | 35.6%            |
| SAU800811     | LMO102167       | 36%      | 30.1%          | 60.9%            |
| SAU800811     | MCA100440       | 24%      | 6.2%           | 11.5%            |
| SAU800811     | MAV104123       | 30%      | 29.4%          | 12.4%            |
| SAU800811     | MBV101055       | 29%      | 9.7%           | 55.6%            |
| SAU800811     | MLP100905       | 30%      | 10.1%          | 63.1%            |
| SAU800811     | MTU202408       | 29%      | 9.7%           | 53.4%            |
| SAU800811     | MGE100318       | 19%      | 47.5%          | 39.7%            |
| SAU800811     | MPN100275       | 10%      | 32.2%          | 8.9%             |
| SAU800811     | MPN100632       | 24%      | 19.9%          | 24.1%            |
| SAU800811     | NME201599       | 17%      | 1.1%           | 11.9%            |
| SAU800811     | PAE203113       | 26%      | 4.6%           | 24.3%            |
| SAU800811     | PSY101467       | 16%      | 17.1%          | 60.2%            |
| SAU800811     | PSY103818       | 29%      | 8.9%           | 60.2%            |
| SAU800811     | PSY108790       | 15%      | 25.8%          | 26.2%            |
| SAU800811     | SPA103181       | 23%      | 38.0%          | 45.5%            |
| SAU800811     | STM102835       | 21%      | 34.5%          | 12.4%            |
| SAU800811     | SAU802630       | 40%      | 99.6%          | 98.7%            |
| SAU800811     | SAU800811       | 100%     | 100%           | 100%             |
| SAU800811     | SEP200110       | 28%      | 95.2%          | 26.3%            |
| SAU800811     | SHA100540       | 29%      | 96.3%          | 86.9%            |
| SAU800811     | SHA102998       | 26%      | 96.9%          | 59.9%            |
| SAU800811     | SHA100562       | 74%      | 38.6%          | 7.1%             |
| SAU800811     | SMU100238       | 24%      | 13.6%          | 20.4%            |
| SAU800811     | SMU100747       | 22%      | 20.5%          | 31.1%            |
| SAU800811     | SMU102548       | 21%      | 9.0%           | 25.0%            |
| SAU800811     | SPN401402       | 21%      | 95.4%          | 92.4%            |
| SAU800811     | SPY201545       | 24%      | 80.9%          | 60.7%            |
| SAU800811     | TPA100177       | 18%      | 34.2%          | 60.4%            |
| SAU800824     | ABA100587       | 27%      | 92.7%          | 95.0%            |
| SAU800824     | BAN104019       | 31%      | 42.5%          | 39.5%            |
| SAU800824     | BAN110518       | 27%      | 93.3%          | 86.8%            |
| SAU800824     | BFU103528       | 27%      | 98.4%          | 90.6%            |
| SAU800824     | CAC102383       | 28%      | 96.9%          | 93.9%            |
| SAU800824     | CDP100459       | 25%      | 93.8%          | 50.7%            |
| SAU800824     | EFM200186       | 26%      | 93.3%          | 88.5%            |
| SAU800824     | ECO100628       | 27%      | 95.3%          | 89.2%            |
| SAU800824     | KPN302086       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | LMO101118       | 50%      | 98.4%          | 93.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800824     | MCA101119       | 29%      | 79.3%          | 75.1%            |
| SAU800824     | PMU100634       | 32%      | 78.2%          | 72.2%            |
| SAU800824     | PRT104691       | 27%      | 91.2%          | 85.1%            |
| SAU800824     | PAE201279       | 28%      | 79.8%          | 79.4%            |
| SAU800824     | PPU104544       | 24%      | 88.6%          | 92.0%            |
| SAU800824     | PSY104527       | 28%      | 93.8%          | 96.8%            |
| SAU800824     | SPA100941       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | STY100639       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | STM100395       | 27%      | 90.2%          | 84.2%            |
| SAU800824     | SAU800824       | 100%     | 100%           | 100%             |
| SAU800824     | SEP201439       | 54%      | 99.0%          | 98.5%            |
| SAU800824     | SHA102912       | 57%      | 99.0%          | 95.0%            |
| SAU800824     | SMU100876       | 47%      | 99.0%          | 96.0%            |
| SAU800824     | SPN400219       | 26%      | 95.9%          | 83.1%            |
| SAU800824     | SPY201361       | 30%      | 94.8%          | 89.4%            |
| SAU800829     | ABA105130       | 32%      | 88.7%          | 75.5%            |
| SAU800829     | CDF103551       | 32%      | 92.9%          | 85.7%            |
| SAU800829     | EFA201048       | 30%      | 96.2%          | 88.5%            |
| SAU800829     | EFM201252       | 31%      | 92.9%          | 88.1%            |
| SAU800829     | ECO101661       | 30%      | 97.5%          | 94.8%            |
| SAU800829     | KPN303925       | 30%      | 84.5%          | 78.8%            |
| SAU800829     | LMO100162       | 31%      | 96.2%          | 88.5%            |
| SAU800829     | NGO100151       | 29%      | 96.6%          | 88.2%            |
| SAU800829     | NME201519       | 29%      | 84.9%          | 75.8%            |
| SAU800829     | SPA103732       | 33%      | 91.6%          | 86.5%            |
| SAU800829     | STY101078       | 33%      | 91.6%          | 86.5%            |
| SAU800829     | SAU800829       | 100%     | 100%           | 100%             |
| SAU800829     | SEP201442       | 52%      | 100%           | 99.2%            |
| SAU800829     | SHA101462       | 48%      | 100%           | 98.8%            |
| SAU800829     | SMU100082       | 31%      | 96.6%          | 95.6%            |
| SAU800829     | SPN401234       | 29%      | 96.2%          | 96%              |
| SAU800829     | SPY200601       | 28%      | 96.2%          | 94.7%            |
| SAU800830     | ABA104578       | 23%      | 98.9%          | 94.8%            |
| SAU800830     | BAN104689       | 29%      | 87.2%          | 84.0%            |
| SAU800830     | BAN103413       | 31%      | 87.2%          | 83.9%            |
| SAU800830     | BPT101113       | 27%      | 92.2%          | 88.7%            |
| SAU800830     | BCE112795       | 25%      | 78.2%          | 60.7%            |
| SAU800830     | BMA100377       | 25%      | 79.3%          | 71.0%            |
| SAU800830     | CDF102776       | 22%      | 95.5%          | 95.0%            |
| SAU800830     | CDF103563       | 23%      | 97.8%          | 98.0%            |
| SAU800830     | EBC102075       | 20%      | 88.3%          | 87.4%            |
| SAU800830     | ECO101733       | 19%      | 88.3%          | 87.4%            |
| SAU800830     | KPN301345       | 20%      | 88.3%          | 87.4%            |
| SAU800830     | LMO102654       | 30%      | 96.1%          | 94.8%            |
| SAU800830     | MCA100181       | 24%      | 92.2%          | 90.6%            |
| SAU800830     | MAV100507       | 27%      | 26.3%          | 21.5%            |
| SAU800830     | MBV103592       | 27%      | 81.6%          | 36.6%            |
| SAU800830     | MLP100459       | 27%      | 81.6%          | 35.9%            |
| SAU800830     | MTU203219       | 27%      | 81.6%          | 36.6%            |
| SAU800830     | NGO101477       | 22%      | 97.8%          | 96.2%            |
| SAU800830     | NME201743       | 23%      | 97.8%          | 96.2%            |
| SAU800830     | PMU100672       | 21%      | 97.8%          | 96.2%            |
| SAU800830     | PRT105285       | 24%      | 88.3%          | 87.4%            |
| SAU800830     | PAE203206       | 26%      | 69.8%          | 69.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800830     | PPU101058       | 27%      | 88.3%          | 87.0%            |
| SAU800830     | PSY103113       | 25%      | 88.3%          | 87.1%            |
| SAU800830     | SAU800830       | 100%     | 100%           | 100%             |
| SAU800830     | SEP201443       | 74%      | 98.9%          | 98.3%            |
| SAU800830     | SHA100075       | 74%      | 91.1%          | 100%             |
| SAU800830     | VCH101029       | 22%      | 95.5%          | 95.1%            |
| SAU800830     | YPS000723       | 21%      | 88.3%          | 87.4%            |
| SAU800838     | BAN100632       | 51%      | 18.6%          | 81.1%            |
| SAU800838     | BAN105551       | 62%      | 78.8%          | 89.7%            |
| SAU800838     | BAN106583       | 60%      | 93.9%          | 98.2%            |
| SAU800838     | EBC102427       | 64%      | 93.5%          | 97.3%            |
| SAU800838     | EFA201706       | 65%      | 88.3%          | 89.5%            |
| SAU800838     | EFM202624       | 52%      | 100%           | 100%             |
| SAU800838     | LMO100272       | 63%      | 93.5%          | 96.4%            |
| SAU800838     | PAE205499       | 50%      | 92.6%          | 95.1%            |
| SAU800838     | PPU101954       | 50%      | 90.0%          | 93.3%            |
| SAU800838     | PSY101361       | 52%      | 90.0%          | 92.9%            |
| SAU800838     | SAU800838       | 100%     | 100%           | 100%             |
| SAU800838     | SEP201450       | 89%      | 100%           | 100%             |
| SAU800838     | SHA100333       | 90%      | 100%           | 97.5%            |
| SAU800838     | SMU100477       | 47%      | 89.6%          | 90.0%            |
| SAU800838     | SPN400150       | 45%      | 89.6%          | 89.6%            |
| SAU800838     | SPY200235       | 49%      | 89.2%          | 93.2%            |
| SAU800839     | BAN108234       | 42%      | 90.1%          | 94.7%            |
| SAU800839     | BAN111019       | 47%      | 99.3%          | 98.9%            |
| SAU800839     | BAN112085       | 54%      | 100%           | 99.6%            |
| SAU800839     | BAN109409       | 54%      | 99.3%          | 98.9%            |
| SAU800839     | BPT102993       | 45%      | 88.6%          | 90.5%            |
| SAU800839     | BCE106577       | 41%      | 89.0%          | 82.0%            |
| SAU800839     | BFU102709       | 38%      | 97.4%          | 97.8%            |
| SAU800839     | BMA104983       | 39%      | 98.9%          | 98.9%            |
| SAU800839     | CJU100710       | 36%      | 95.2%          | 98.4%            |
| SAU800839     | CJU100709       | 39%      | 88.6%          | 91.5%            |
| SAU800839     | CJU101125       | 44%      | 88.6%          | 89.3%            |
| SAU800839     | CJU100711       | 50%      | 87.9%          | 90.7%            |
| SAU800839     | CPN200473       | 32%      | 98.9%          | 97.4%            |
| SAU800839     | CAC100740       | 44%      | 99.6%          | 99.6%            |
| SAU800839     | CBO102481       | 28%      | 98.9%          | 98.2%            |
| SAU800839     | CBO101824       | 45%      | 99.3%          | 98.9%            |
| SAU800839     | CBO103909       | 48%      | 98.9%          | 98.1%            |
| SAU800839     | CDF100529       | 45%      | 99.6%          | 98.9%            |
| SAU800839     | EBC102434       | 50%      | 95.2%          | 97.8%            |
| SAU800839     | EFA201707       | 50%      | 99.3%          | 98.9%            |
| SAU800839     | EFM201963       | 50%      | 99.6%          | 97.9%            |
| SAU800839     | ECO100197       | 36%      | 98.2%          | 97.0%            |
| SAU800839     | HPY101541       | 40%      | 91.2%          | 90.4%            |
| SAU800839     | KPN301905       | 36%      | 98.2%          | 97.0%            |
| SAU800839     | LMO102507       | 50%      | 99.3%          | 98.9%            |
| SAU800839     | MPN100427       | 27%      | 23.8%          | 25.8%            |
| SAU800839     | NGO101326       | 31%      | 99.6%          | 97.2%            |
| SAU800839     | NME200471       | 31%      | 99.6%          | 97.2%            |
| SAU800839     | PMU101730       | 35%      | 98.9%          | 98.2%            |
| SAU800839     | PRT100159       | 35%      | 98.2%          | 97.0%            |
| SAU800839     | PAE205500       | 42%      | 96.7%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800839     | PPU101952       | 42%      | 87.9%          | 91.8%            |
| SAU800839     | PSY101363       | 42%      | 99.6%          | 99.6%            |
| SAU800839     | SPA101556       | 31%      | 94.5%          | 92.4%            |
| SAU800839     | STY103993       | 38%      | 98.2%          | 97.0%            |
| SAU800839     | STM100616       | 31%      | 94.5%          | 92.4%            |
| SAU800839     | SAU800839       | 100%     | 100%           | 100%             |
| SAU800839     | SEP201451       | 82%      | 100%           | 100%             |
| SAU800839     | SHA101832       | 61%      | 99.3%          | 98.5%            |
| SAU800839     | SHA100334       | 83%      | 100%           | 100%             |
| SAU800839     | TPA100812       | 30%      | 98.5%          | 96.3%            |
| SAU800839     | YPS002011       | 36%      | 98.2%          | 97.0%            |
| SAU800842     | BAN103123       | 63%      | 97.2%          | 94.3%            |
| SAU800842     | BAN101569       | 80%      | 98.0%          | 95.0%            |
| SAU800842     | BFR11712        | 54%      | 97.2%          | 99.2%            |
| SAU800842     | BMA108445       | 37%      | 26.9%          | 1.5%             |
| SAU800842     | CPN200053       | 41%      | 95.3%          | 96.9%            |
| SAU800842     | CTR200057       | 41%      | 94.5%          | 96.1%            |
| SAU800842     | CAC102249       | 49%      | 94.1%          | 95.2%            |
| SAU800842     | CDF101006       | 31%      | 90.1%          | 90.9%            |
| SAU800842     | CDP100230       | 59%      | 82.2%          | 98.1%            |
| SAU800842     | EBC102240       | 51%      | 93.7%          | 99.6%            |
| SAU800842     | EFA200429       | 77%      | 98.0%          | 96.9%            |
| SAU800842     | EFM200729       | 74%      | 98.0%          | 96.5%            |
| SAU800842     | ECO101650       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | KPN301757       | 53%      | 93.7%          | 99.6%            |
| SAU800842     | LPN102354       | 51%      | 96.0%          | 98%              |
| SAU800842     | LMO100672       | 79%      | 98.0%          | 95.0%            |
| SAU800842     | MAV103629       | 54%      | 94.9%          | 95.4%            |
| SAU800842     | MBV100927       | 56%      | 94.1%          | 91.7%            |
| SAU800842     | MLP100376       | 54%      | 94.9%          | 95.4%            |
| SAU800842     | MTU201442       | 56%      | 94.1%          | 91.7%            |
| SAU800842     | PRT102237       | 53%      | 95.3%          | 98.0%            |
| SAU800842     | SPA103735       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | STY101052       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | STM103512       | 52%      | 96.4%          | 99.2%            |
| SAU800842     | SAU800842       | 100%     | 100%           | 100%             |
| SAU800842     | SEP201453       | 96%      | 100%           | 100%             |
| SAU800842     | SHA102188       | 96%      | 100%           | 100%             |
| SAU800842     | SMU101500       | 75%      | 98.0%          | 96.9%            |
| SAU800842     | SPN400771       | 75%      | 98.0%          | 94.3%            |
| SAU800842     | SPY200210       | 71%      | 98.0%          | 96.9%            |
| SAU800842     | TPA100604       | 47%      | 95.7%          | 92.7%            |
| SAU800842     | YPS002982       | 51%      | 96.4%          | 99.2%            |
| SAU800845     | ABA105638       | 43%      | 51.3%          | 64.8%            |
| SAU800845     | BAN104147       | 70%      | 82.5%          | 95.5%            |
| SAU800845     | BAN105227       | 71%      | 90.3%          | 96.5%            |
| SAU800845     | BFR104306       | 36%      | 28.6%          | 18.9%            |
| SAU800845     | BPT100541       | 34%      | 93.5%          | 94.9%            |
| SAU800845     | BCE107071       | 35%      | 92.9%          | 94.1%            |
| SAU800845     | BFU114961       | 35%      | 94.2%          | 95.6%            |
| SAU800845     | BMA104959       | 37%      | 90.9%          | 87.7%            |
| SAU800845     | CJU100212       | 27%      | 53.9%          | 28.8%            |
| SAU800845     | CAC102210       | 36%      | 87.0%          | 95.1%            |
| SAU800845     | CBO101838       | 33%      | 84.4%          | 78.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800845     | CDF100896       | 32%      | 85.7%          | 78.1%            |
| SAU800845     | CDP100224       | 42%      | 92.2%          | 98.7%            |
| SAU800845     | EBC103106       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | EFA200432       | 53%      | 96.1%          | 94.8%            |
| SAU800845     | EFM200870       | 51%      | 89.6%          | 88.5%            |
| SAU800845     | ECO102480       | 33%      | 90.3%          | 96.9%            |
| SAU800845     | HIN100356       | 45%      | 51.3%          | 65.9%            |
| SAU800845     | HPY100217       | 24%      | 94.2%          | 43.9%            |
| SAU800845     | KPN305521       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | LPN102581       | 40%      | 85.7%          | 88.6%            |
| SAU800845     | LMO102434       | 58%      | 94.2%          | 98.6%            |
| SAU800845     | MCA100833       | 43%      | 51.3%          | 65.4%            |
| SAU800845     | MAV103625       | 35%      | 93.5%          | 96.1%            |
| SAU800845     | MBV100931       | 36%      | 96.1%          | 93.8%            |
| SAU800845     | MLP100378       | 38%      | 96.1%          | 91.5%            |
| SAU800845     | MTU201444       | 36%      | 96.1%          | 93.8%            |
| SAU800845     | MGE100346       | 22%      | 55.8%          | 63.0%            |
| SAU800845     | MPN100354       | 24%      | 58.4%          | 65%              |
| SAU800845     | NGO101047       | 44%      | 51.9%          | 65.6%            |
| SAU800845     | NME201455       | 44%      | 51.9%          | 65.6%            |
| SAU800845     | PMU100319       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | PRT102918       | 31%      | 90.9%          | 97.7%            |
| SAU800845     | PAE203810       | 35%      | 83.1%          | 88.3%            |
| SAU800845     | PPU109766       | 31%      | 83.1%          | 88.3%            |
| SAU800845     | PSY103769       | 31%      | 83.1%          | 88.3%            |
| SAU800845     | SPA100052       | 44%      | 51.3%          | 68.0%            |
| SAU800845     | STY105166       | 32%      | 90.3%          | 96.9%            |
| SAU800845     | SAU800845       | 100%     | 100%           | 100%             |
| SAU800845     | SEP201458       | 95%      | 100%           | 100%             |
| SAU800845     | SHA102191       | 96%      | 99.4%          | 100%             |
| SAU800845     | SMU101506       | 47%      | 93.5%          | 99.3%            |
| SAU800845     | SPN400774       | 45%      | 89.6%          | 94.5%            |
| SAU800845     | SPY200213       | 44%      | 99.4%          | 95.0%            |
| SAU800845     | TPA100608       | 32%      | 83.8%          | 89.1%            |
| SAU800845     | UUR100458       | 30%      | 86.4%          | 87.1%            |
| SAU800845     | VCH100736       | 43%      | 51.3%          | 65.4%            |
| SAU800845     | YPS006083       | 40%      | 51.3%          | 64.8%            |
| SAU800920     | ABA103984       | 34%      | 90.7%          | 92.5%            |
| SAU800920     | BAN109941       | 42%      | 97.7%          | 99.1%            |
| SAU800920     | BAN109931       | 43%      | 98.3%          | 95.9%            |
| SAU800920     | BFR10878        | 32%      | 81.4%          | 77.7%            |
| SAU800920     | BPT102310       | 24%      | 55.5%          | 58.2%            |
| SAU800920     | BCE107000       | 43%      | 61.7%          | 85.2%            |
| SAU800920     | BFU102931       | 27%      | 81.4%          | 70%              |
| SAU800920     | BMA109386       | 40%      | 88.2%          | 95.4%            |
| SAU800920     | CJU101195       | 26%      | 79.4%          | 78.0%            |
| SAU800920     | CAC101529       | 33%      | 91.3%          | 89.7%            |
| SAU800920     | CBO100347       | 31%      | 99.2%          | 99.4%            |
| SAU800920     | CDF100344       | 43%      | 18.3%          | 90.3%            |
| SAU800920     | CDF101769       | 34%      | 98.0%          | 96.5%            |
| SAU800920     | EFA200241       | 32%      | 97.5%          | 96.2%            |
| SAU800920     | HPY100760       | 34%      | 35.8%          | 35.0%            |
| SAU800920     | KPN303298       | 38%      | 91.0%          | 92.6%            |
| SAU800920     | LPN101854       | 42%      | 95.8%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800920     | LMO102611       | 32%      | 97.5%          | 97.4%            |
| SAU800920     | MAV106430       | 34%      | 93.8%          | 97.3%            |
| SAU800920     | MBV101237       | 32%      | 93.5%          | 95.9%            |
| SAU800920     | MTU202743       | 32%      | 93.5%          | 95.9%            |
| SAU800920     | NGO100380       | 29%      | 23.9%          | 22.0%            |
| SAU800920     | NME201526       | 26%      | 23.9%          | 22.0%            |
| SAU800920     | PAE204199       | 35%      | 96.9%          | 98.9%            |
| SAU800920     | PPU110056       | 33%      | 96.6%          | 95.6%            |
| SAU800920     | PSY105312       | 44%      | 43.1%          | 84.4%            |
| SAU800920     | SAU800920       | 100%     | 100%           | 100%             |
| SAU800920     | SEP100265       | 56%      | 98.6%          | 98.6%            |
| SAU800920     | SHA100955       | 68%      | 99.2%          | 98.9%            |
| SAU800920     | SMU100545       | 35%      | 78.9%          | 72.9%            |
| SAU800920     | SPN400379       | 33%      | 91.3%          | 87.3%            |
| SAU800920     | SPY201350       | 36%      | 81.4%          | 75.2%            |
| SAU800924     | ABA101031       | 46%      | 92.5%          | 86.0%            |
| SAU800924     | ABA105312       | 47%      | 92.1%          | 82.2%            |
| SAU800924     | BAN108575       | 69%      | 89.8%          | 99.6%            |
| SAU800924     | BAN112410       | 76%      | 97.7%          | 99.7%            |
| SAU800924     | BFR10610        | 47%      | 93.1%          | 97.6%            |
| SAU800924     | BPT101468       | 48%      | 93.4%          | 85.9%            |
| SAU800924     | BCE114309       | 50%      | 93.4%          | 86.7%            |
| SAU800924     | BFU109309       | 51%      | 93.4%          | 83.1%            |
| SAU800924     | BMA108104       | 51%      | 93.4%          | 86.9%            |
| SAU800924     | CPN201019       | 47%      | 90.5%          | 89.6%            |
| SAU800924     | CTR200836       | 45%      | 94.4%          | 92.9%            |
| SAU800924     | CDP100404       | 40%      | 63.0%          | 80.2%            |
| SAU800924     | EBC101385       | 52%      | 94.1%          | 89.7%            |
| SAU800924     | ECO100618       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | HIN100025       | 52%      | 93.4%          | 89.4%            |
| SAU800924     | KPN302685       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | LPN101740       | 52%      | 92.5%          | 92.8%            |
| SAU800924     | MCA103689       | 45%      | 92.1%          | 77.8%            |
| SAU800924     | MAV106038       | 46%      | 94.4%          | 92.8%            |
| SAU800924     | MBV104457       | 45%      | 94.4%          | 91.6%            |
| SAU800924     | MLP100518       | 46%      | 93.4%          | 89.8%            |
| SAU800924     | MTU202184       | 45%      | 94.4%          | 91.6%            |
| SAU800924     | NGO100285       | 50%      | 94.8%          | 88.1%            |
| SAU800924     | NME201265       | 50%      | 94.8%          | 88.1%            |
| SAU800924     | PMU101930       | 51%      | 92.8%          | 88.8%            |
| SAU800924     | PRT102872       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | PAE203993       | 44%      | 93.1%          | 86.9%            |
| SAU800924     | PPU107592       | 46%      | 93.8%          | 85.4%            |
| SAU800924     | PSY105080       | 46%      | 93.4%          | 85.1%            |
| SAU800924     | SPA102529       | 49%      | 94.1%          | 89.7%            |
| SAU800924     | STY101450       | 50%      | 94.1%          | 89.7%            |
| SAU800924     | SAU800924       | 100%     | 100%           | 100%             |
| SAU800924     | SEP201476       | 95%      | 99.7%          | 100%             |
| SAU800924     | SHA100744       | 95%      | 99.3%          | 98.4%            |
| SAU800924     | VCH100927       | 51%      | 94.1%          | 89.7%            |
| SAU800924     | YPS001177       | 53%      | 94.1%          | 89.7%            |
| SAU800925     | BAN102521       | 51%      | 70.9%          | 100%             |
| SAU800925     | BAN107044       | 51%      | 70.9%          | 89.1%            |
| SAU800925     | EFA200745       | 42%      | 74.0%          | 45.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800925     | EFM200884       | 47%      | 72.4%          | 40.9%            |
| SAU800925     | LMO101257       | 55%      | 67.7%          | 94.5%            |
| SAU800925     | SAU800925       | 100%     | 100%           | 100%             |
| SAU800925     | SEP201478       | 77%      | 99.2%          | 93.8%            |
| SAU800925     | SHA100745       | 70%      | 100%           | 97.7%            |
| SAU800925     | SMU100024       | 47%      | 74.0%          | 51.6%            |
| SAU800925     | SPN400675       | 48%      | 63.0%          | 44.9%            |
| SAU800925     | SPY201183       | 52%      | 66.9%          | 39.3%            |
| SAU800931     | BAN105857       | 53%      | 58%            | 62.5%            |
| SAU800931     | SAU800931       | 100%     | 100%           | 100%             |
| SAU800931     | SEP202312       | 78%      | 94%            | 97.9%            |
| SAU800931     | SHA103119       | 90%      | 80%            | 81.6%            |
| SAU800931     | SPY103176       | 46%      | 58%            | 76.9%            |
| SAU800932     | BAN108686       | 39%      | 98.1%          | 98.8%            |
| SAU800932     | BAN113463       | 44%      | 98.1%          | 98.4%            |
| SAU800932     | BPT102923       | 35%      | 96.1%          | 94.3%            |
| SAU800932     | CJU101231       | 29%      | 94.2%          | 93.8%            |
| SAU800932     | CDF103976       | 38%      | 96.9%          | 98.0%            |
| SAU800932     | EBC102291       | 36%      | 95.7%          | 93.7%            |
| SAU800932     | EFA200814       | 42%      | 99.8%          | 99.6%            |
| SAU800932     | EFM201145       | 41%      | 95.7%          | 95.6%            |
| SAU800932     | LMO100987       | 40%      | 99.6%          | 99.4%            |
| SAU800932     | SAU800932       | 100%     | 100%           | 100%             |
| SAU800932     | SEP201491       | 75%      | 100%           | 100%             |
| SAU800932     | SHA100310       | 72%      | 99.8%          | 99.8%            |
| SAU800932     | SMU100418       | 32%      | 99.4%          | 98.4%            |
| SAU800932     | SPN401979       | 35%      | 94.4%          | 99.0%            |
| SAU800932     | SPY201011       | 38%      | 99.4%          | 99.0%            |
| SAU800932     | VCH101555       | 28%      | 71.5%          | 63.5%            |
| SAU800942     | ABA101554       | 36%      | 72.5%          | 73.0%            |
| SAU800942     | BAN111566       | 30%      | 76.4%          | 80.9%            |
| SAU800942     | BAN105261       | 36%      | 84.5%          | 84.4%            |
| SAU800942     | BPT101764       | 38%      | 66.4%          | 64.9%            |
| SAU800942     | BCE113716       | 32%      | 85.3%          | 83.1%            |
| SAU800942     | BFU111857       | 31%      | 98.4%          | 94.9%            |
| SAU800942     | BMA108381       | 31%      | 98.4%          | 95.8%            |
| SAU800942     | CJU100859       | 36%      | 72.3%          | 75.6%            |
| SAU800942     | CPN200364       | 33%      | 95.5%          | 91.0%            |
| SAU800942     | CTR200310       | 31%      | 90.4%          | 89.6%            |
| SAU800942     | CDF101233       | 32%      | 88.2%          | 89.9%            |
| SAU800942     | CDP100388       | 37%      | 71.9%          | 71%              |
| SAU800942     | EBC104062       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | ECO104150       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | HIN101670       | 32%      | 100%           | 99.6%            |
| SAU800942     | HPY100563       | 35%      | 71.9%          | 74.4%            |
| SAU800942     | KPN303509       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | LPN102543       | 38%      | 65.0%          | 65.0%            |
| SAU800942     | MCA103090       | 37%      | 72.9%          | 77.3%            |
| SAU800942     | MAV101182       | 36%      | 71.1%          | 68.5%            |
| SAU800942     | MBV104444       | 36%      | 71.1%          | 68.7%            |
| SAU800942     | MLP100524       | 36%      | 71.1%          | 67.7%            |
| SAU800942     | MTU202179       | 36%      | 71.1%          | 68.9%            |
| SAU800942     | MGE100403       | 34%      | 61.3%          | 67.6%            |
| SAU800942     | MPN100270       | 38%      | 59.7%          | 65.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800942     | NGO101321       | 38%      | 75.6%          | 78.2%            |
| SAU800942     | NME201617       | 39%      | 75.6%          | 78.2%            |
| SAU800942     | PMU100195       | 29%      | 100%           | 99.2%            |
| SAU800942     | PRT100707       | 36%      | 71.9%          | 84.7%            |
| SAU800942     | PAE203828       | 36%      | 92.7%          | 87.5%            |
| SAU800942     | PPU104070       | 34%      | 85.3%          | 92.9%            |
| SAU800942     | PSY104267       | 35%      | 85.3%          | 89.1%            |
| SAU800942     | SPA100451       | 36%      | 71.9%          | 87.9%            |
| SAU800942     | STY104012       | 35%      | 72.9%          | 71.8%            |
| SAU800942     | SAU800942       | 100%     | 100%           | 100%             |
| SAU800942     | SEP201511       | 59%      | 100%           | 99.6%            |
| SAU800942     | SHA100914       | 59%      | 99.6%          | 99.8%            |
| SAU800942     | UUR100512       | 34%      | 77.8%          | 83.1%            |
| SAU800942     | VCH102465       | 36%      | 71.9%          | 70.6%            |
| SAU800942     | YPS000931       | 36%      | 72.9%          | 71.8%            |
| SAU800951     | PMU101172       | 29%      | 69.0%          | 38.8%            |
| SAU800951     | SAU800951       | 100%     | 100%           | 100%             |
| SAU800951     | SEP200154       | 84%      | 100%           | 98.6%            |
| SAU800951     | SHA101855       | 71%      | 100%           | 99.3%            |
| SAU800952     | ABA105732       | 38%      | 98.9%          | 82.8%            |
| SAU800952     | BAN107647       | 33%      | 46.2%          | 61.2%            |
| SAU800952     | BAN110840       | 34%      | 60.0%          | 73.7%            |
| SAU800952     | BFR11026        | 33%      | 61.4%          | 76.5%            |
| SAU800952     | BPT102936       | 35%      | 98.0%          | 79.5%            |
| SAU800952     | BBU100411       | 24%      | 20.5%          | 56.0%            |
| SAU800952     | BCE105760       | 30%      | 52.9%          | 60.2%            |
| SAU800952     | BMA103273       | 30%      | 52.9%          | 60.5%            |
| SAU800952     | CJU101474       | 33%      | 52.8%          | 66.1%            |
| SAU800952     | CBO101784       | 33%      | 10.4%          | 85%              |
| SAU800952     | CDP101683       | 30%      | 97.5%          | 83.4%            |
| SAU800952     | EBC104021       | 28%      | 70.5%          | 87.6%            |
| SAU800952     | ECO102236       | 29%      | 70.5%          | 87.6%            |
| SAU800952     | HPY101254       | 30%      | 70.3%          | 86.8%            |
| SAU800952     | KPN303099       | 27%      | 70.5%          | 87.6%            |
| SAU800952     | LMO101343       | 51%      | 99.4%          | 99.8%            |
| SAU800952     | MAV103503       | 34%      | 52.8%          | 64.2%            |
| SAU800952     | MBV105172       | 31%      | 60.5%          | 72.4%            |
| SAU800952     | MTU203113       | 31%      | 60.5%          | 72.4%            |
| SAU800952     | NGO100646       | 28%      | 60.8%          | 74.5%            |
| SAU800952     | NME200002       | 29%      | 60.8%          | 74.5%            |
| SAU800952     | PMU101184       | 29%      | 12.2%          | 31.8%            |
| SAU800952     | PRT104399       | 31%      | 61.4%          | 78.6%            |
| SAU800952     | PAE201053       | 38%      | 97.6%          | 81.7%            |
| SAU800952     | PPU111359       | 34%      | 98.0%          | 80.1%            |
| SAU800952     | PSY104130       | 35%      | 91.3%          | 78.0%            |
| SAU800952     | SPA100263       | 30%      | 44.4%          | 84.3%            |
| SAU800952     | STY100604       | 28%      | 70.5%          | 87.6%            |
| SAU800952     | SAU800952       | 100%     | 100%           | 100%             |
| SAU800952     | SEP200156       | 80%      | 100%           | 100%             |
| SAU800952     | SHA101854       | 78%      | 100%           | 99.5%            |
| SAU800952     | SMU100737       | 27%      | 20.0%          | 74.6%            |
| SAU800952     | VCH102892       | 34%      | 94.1%          | 81.9%            |
| SAU800952     | YPS000434       | 29%      | 70.5%          | 87.8%            |
| SAU800962     | ABA104828       | 21%      | 78.1%          | 66.7%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800962     | BAN107886       | 49%      | 98.2%          | 100%             |
| SAU800962     | BAN113216       | 70%      | 99.8%          | 99.3%            |
| SAU800962     | BFR10381        | 50%      | 99.3%          | 100%             |
| SAU800962     | BPT100657       | 27%      | 80.1%          | 72.2%            |
| SAU800962     | BBU100729       | 24%      | 81.0%          | 69.5%            |
| SAU800962     | BCE100058       | 24%      | 84.0%          | 68.0%            |
| SAU800962     | BFU101343       | 24%      | 81.3%          | 68.5%            |
| SAU800962     | BMA107745       | 24%      | 83.3%          | 69.4%            |
| SAU800962     | CJU101444       | 30%      | 79.2%          | 84.5%            |
| SAU800962     | CPN200812       | 24%      | 87.4%          | 75.1%            |
| SAU800962     | CTR200647       | 25%      | 84.9%          | 72.7%            |
| SAU800962     | CAC100048       | 64%      | 99.1%          | 98.7%            |
| SAU800962     | CBO102016       | 60%      | 99.3%          | 97.8%            |
| SAU800962     | CDF103720       | 63%      | 100%           | 99.8%            |
| SAU800962     | CDP100102       | 25%      | 78.1%          | 66.9%            |
| SAU800962     | EBC103837       | 24%      | 78.1%          | 67.5%            |
| SAU800962     | EFA202329       | 64%      | 100%           | 100%             |
| SAU800962     | EFM202538       | 66%      | 100%           | 100%             |
| SAU800962     | ECO103919       | 28%      | 48.3%          | 38.3%            |
| SAU800962     | HIN101544       | 23%      | 93.9%          | 78.5%            |
| SAU800962     | HPY101149       | 24%      | 81.9%          | 71.0%            |
| SAU800962     | KPN302607       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | LPN103064       | 21%      | 35.4%          | 71.7%            |
| SAU800962     | LMO101990       | 67%      | 100%           | 99.6%            |
| SAU800962     | MCA101062       | 23%      | 77.9%          | 67.5%            |
| SAU800962     | MAV105583       | 23%      | 79.5%          | 66.8%            |
| SAU800962     | MBV101975       | 24%      | 79.5%          | 66.9%            |
| SAU800962     | MLP100108       | 23%      | 79.9%          | 67.1%            |
| SAU800962     | MTU200937       | 24%      | 79.5%          | 66.9%            |
| SAU800962     | MGE100113       | 34%      | 95.7%          | 97.5%            |
| SAU800962     | MPN100582       | 33%      | 92.6%          | 94.9%            |
| SAU800962     | NGO101248       | 24%      | 84.0%          | 69.7%            |
| SAU800962     | NME201465       | 24%      | 84.0%          | 72.3%            |
| SAU800962     | PMU100416       | 24%      | 78.1%          | 66.8%            |
| SAU800962     | PRT101480       | 23%      | 78.1%          | 66.8%            |
| SAU800962     | PAE204728       | 20%      | 91.6%          | 74.2%            |
| SAU800962     | PPU108446       | 22%      | 82.6%          | 69.0%            |
| SAU800962     | PPU108272       | 22%      | 82.6%          | 69.0%            |
| SAU800962     | PSY100665       | 23%      | 49.0%          | 38.6%            |
| SAU800962     | SPA103272       | 28%      | 48.3%          | 38.5%            |
| SAU800962     | STY101906       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | STM102761       | 24%      | 78.1%          | 66.7%            |
| SAU800962     | SAU800962       | 100%     | 100%           | 100%             |
| SAU800962     | SEP200169       | 90%      | 100%           | 100%             |
| SAU800962     | SHA100475       | 100%     | 12.2%          | 100%             |
| SAU800962     | SHA101567       | 92%      | 100%           | 100%             |
| SAU800962     | SHA102448       | 92%      | 100%           | 100%             |
| SAU800962     | SMU100622       | 62%      | 100%           | 100%             |
| SAU800962     | SPN401879       | 63%      | 100%           | 100%             |
| SAU800962     | SPY200159       | 63%      | 100%           | 100%             |
| SAU800962     | TPA100471       | 23%      | 87.8%          | 77.2%            |
| SAU800962     | VCH100369       | 23%      | 78.1%          | 66.5%            |
| SAU800962     | YPS003348       | 24%      | 78.1%          | 66.8%            |
| SAU800965     | ABA104917       | 27%      | 91.6%          | 80%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800965     | BAN110074       | 48%      | 78.0%          | 98.6%            |
| SAU800965     | BAN104864       | 45%      | 96.9%          | 96.8%            |
| SAU800965     | BFR104933       | 52%      | 23.6%          | 38.8%            |
| SAU800965     | BFR102922       | 35%      | 56.5%          | 48.0%            |
| SAU800965     | BFR103785       | 30%      | 92.7%          | 93.2%            |
| SAU800965     | BPT102614       | 32%      | 90.1%          | 74.1%            |
| SAU800965     | BBU100262       | 24%      | 86.9%          | 94.0%            |
| SAU800965     | BCE109420       | 30%      | 92.1%          | 73.4%            |
| SAU800965     | BFU101296       | 31%      | 92.1%          | 73.4%            |
| SAU800965     | BMA103433       | 33%      | 92.1%          | 73.4%            |
| SAU800965     | CJU100795       | 25%      | 94.2%          | 87.9%            |
| SAU800965     | CPN200652       | 47%      | 22.5%          | 54.6%            |
| SAU800965     | CTR200284       | 45%      | 22.5%          | 54.5%            |
| SAU800965     | CAC103745       | 37%      | 91.6%          | 90.2%            |
| SAU800965     | CBO101026       | 33%      | 94.2%          | 93.8%            |
| SAU800965     | CBO103680       | 34%      | 91.6%          | 93.1%            |
| SAU800965     | CDF102071       | 38%      | 93.7%          | 94.9%            |
| SAU800965     | CDF103915       | 41%      | 93.7%          | 94.9%            |
| SAU800965     | CDF100857       | 42%      | 92.1%          | 91.2%            |
| SAU800965     | CDP101133       | 26%      | 92.7%          | 84.1%            |
| SAU800965     | EBC102413       | 23%      | 91.1%          | 75.9%            |
| SAU800965     | EFA201207       | 39%      | 92.7%          | 92.4%            |
| SAU800965     | EFA201464       | 42%      | 93.2%          | 92.3%            |
| SAU800965     | EFA202010       | 33%      | 85.3%          | 95.2%            |
| SAU800965     | EFA200470       | 36%      | 88.5%          | 63.9%            |
| SAU800965     | EFM200768       | 51%      | 55.5%          | 82.1%            |
| SAU800965     | ECO102519       | 23%      | 91.1%          | 75.9%            |
| SAU800965     | HIN100014       | 24%      | 88.5%          | 69.1%            |
| SAU800965     | HPY100569       | 22%      | 89.5%          | 81.0%            |
| SAU800965     | KPN303155       | 34%      | 91.1%          | 75.9%            |
| SAU800965     | LMO101081       | 45%      | 85.3%          | 88.3%            |
| SAU800965     | MCA102001       | 26%      | 91.6%          | 66.8%            |
| SAU800965     | MAV102887       | 26%      | 93.7%          | 76.9%            |
| SAU800965     | MBV102295       | 27%      | 93.7%          | 75.2%            |
| SAU800965     | MLP100983       | 26%      | 93.7%          | 78.9%            |
| SAU800965     | MTU202865       | 27%      | 93.7%          | 75.2%            |
| SAU800965     | NGO100038       | 27%      | 85.9%          | 67.3%            |
| SAU800965     | NME200899       | 28%      | 85.9%          | 78.1%            |
| SAU800965     | PMU100062       | 26%      | 86.9%          | 67.4%            |
| SAU800965     | PRT105741       | 25%      | 99.0%          | 80.2%            |
| SAU800965     | PAE200767       | 29%      | 89.5%          | 72.2%            |
| SAU800965     | PAE201302       | 33%      | 78.0%          | 76.5%            |
| SAU800965     | PPU107909       | 28%      | 93.2%          | 75.7%            |
| SAU800965     | PSY102320       | 27%      | 93.2%          | 75.7%            |
| SAU800965     | SPA100368       | 33%      | 44.0%          | 40.7%            |
| SAU800965     | STY102115       | 33%      | 85.9%          | 72.8%            |
| SAU800965     | SAU800965       | 100%     | 100%           | 100%             |
| SAU800965     | SEP200178       | 79%      | 100%           | 100%             |
| SAU800965     | SHA101671       | 75%      | 99.5%          | 100%             |
| SAU800965     | SMU101279       | 38%      | 94.8%          | 97.4%            |
| SAU800965     | SPN400364       | 35%      | 92.7%          | 95.6%            |
| SAU800965     | SPY201418       | 36%      | 93.7%          | 97.5%            |
| SAU800965     | TPA100183       | 24%      | 90.1%          | 89.4%            |
| SAU800965     | VCH102426       | 29%      | 87.4%          | 72.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800965     | YPS002228       | 36%      | 90.1%          | 74.7%            |
| SAU800966     | BAN101759       | 25%      | 99.4%          | 99.8%            |
| SAU800966     | BAN107464       | 32%      | 98.3%          | 98.6%            |
| SAU800966     | CAC100694       | 28%      | 98.3%          | 97.9%            |
| SAU800966     | CBO102997       | 28%      | 97.8%          | 97.7%            |
| SAU800966     | CDF103113       | 27%      | 98.5%          | 99.0%            |
| SAU800966     | EFA201462       | 24%      | 94.7%          | 94.1%            |
| SAU800966     | EFM200885       | 24%      | 99.2%          | 99.4%            |
| SAU800966     | LMO100290       | 30%      | 97.9%          | 98.2%            |
| SAU800966     | PRT100901       | 22%      | 30.9%          | 31.9%            |
| SAU800966     | SAU800966       | 100%     | 100%           | 100%             |
| SAU800966     | SEP200180       | 72%      | 99.2%          | 99.1%            |
| SAU800966     | SHA101672       | 70%      | 99.4%          | 99.1%            |
| SAU800966     | SMU100470       | 21%      | 86.7%          | 86.8%            |
| SAU800966     | SPN401039       | 19%      | 82.7%          | 83.9%            |
| SAU800966     | SPY200571       | 20%      | 93.5%          | 93.6%            |
| SAU800967     | BAN111196       | 34%      | 98.5%          | 99.1%            |
| SAU800967     | BAN105909       | 36%      | 99.2%          | 98.8%            |
| SAU800967     | BFR102381       | 20%      | 70.3%          | 78.2%            |
| SAU800967     | BBU100632       | 21%      | 97.0%          | 94.2%            |
| SAU800967     | CTR200007       | 20%      | 77.5%          | 80.6%            |
| SAU800967     | CAC103739       | 32%      | 98.8%          | 99.0%            |
| SAU800967     | CBO101540       | 32%      | 98.8%          | 99.1%            |
| SAU800967     | CDF102097       | 31%      | 98.0%          | 98.4%            |
| SAU800967     | EBC102605       | 21%      | 97.5%          | 95.7%            |
| SAU800967     | EFA201460       | 32%      | 99.8%          | 98.2%            |
| SAU800967     | EFM200194       | 34%      | 98.8%          | 98.4%            |
| SAU800967     | LMO102657       | 35%      | 99.4%          | 98.7%            |
| SAU800967     | SAU800967       | 100%     | 100%           | 100%             |
| SAU800967     | SEP200182       | 75%      | 99.8%          | 99.3%            |
| SAU800967     | SHA101673       | 66%      | 99.8%          | 99.2%            |
| SAU800967     | SMU100467       | 30%      | 98.2%          | 96.6%            |
| SAU800967     | SPN401040       | 30%      | 98.2%          | 96.6%            |
| SAU800967     | SPY200572       | 29%      | 98.2%          | 96.5%            |
| SAU800967     | TPA100888       | 20%      | 98.6%          | 97.3%            |
| SAU800968     | ABA100124       | 32%      | 66.3%          | 92.0%            |
| SAU800968     | BAN101423       | 36%      | 93.7%          | 100%             |
| SAU800968     | BAN104355       | 41%      | 99.3%          | 99.7%            |
| SAU800968     | BFR11202        | 30%      | 58.3%          | 87.7%            |
| SAU800968     | BPT105862       | 36%      | 69.3%          | 73.1%            |
| SAU800968     | BCE110171       | 39%      | 65.7%          | 70.7%            |
| SAU800968     | BFU110006       | 43%      | 77.7%          | 79.6%            |
| SAU800968     | BMA105697       | 38%      | 65.7%          | 66.9%            |
| SAU800968     | CJU100021       | 40%      | 70.7%          | 75%              |
| SAU800968     | CDF103166       | 34%      | 99.3%          | 97.7%            |
| SAU800968     | CDF101613       | 42%      | 71%            | 73.3%            |
| SAU800968     | CDP100223       | 32%      | 73.3%          | 77.0%            |
| SAU800968     | EBC102101       | 34%      | 100%           | 96.5%            |
| SAU800968     | ECO101153       | 31%      | 69.3%          | 93.2%            |
| SAU800968     | KPN303993       | 36%      | 83%            | 2.4%             |
| SAU800968     | LPN100114       | 24%      | 40.7%          | 38.9%            |
| SAU800968     | LMO102616       | 40%      | 100%           | 99.6%            |
| SAU800968     | MCA102285       | 29%      | 59.7%          | 83.8%            |
| SAU800968     | MAV100179       | 35%      | 73%            | 79.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800968     | MBV101328       | 36%      | 73%            | 79.6%            |
| SAU800968     | MLP101033       | 35%      | 73%            | 88.4%            |
| SAU800968     | MTU202955       | 36%      | 73%            | 88.3%            |
| SAU800968     | NGO100109       | 27%      | 66%            | 89.4%            |
| SAU800968     | NME201411       | 28%      | 66%            | 89.4%            |
| SAU800968     | PMU101529       | 37%      | 81%            | 92.5%            |
| SAU800968     | PRT105162       | 32%      | 59.7%          | 83.5%            |
| SAU800968     | PAE204119       | 35%      | 81%            | 91.1%            |
| SAU800968     | PPU102070       | 31%      | 59.7%          | 82.8%            |
| SAU800968     | PSY107523       | 29%      | 69.3%          | 92.8%            |
| SAU800968     | SPA104517       | 38%      | 68%            | 93.0%            |
| SAU800968     | STY103635       | 35%      | 88%            | 8.6%             |
| SAU800968     | STM104158       | 34%      | 99.3%          | 94.2%            |
| SAU800968     | SAU800968       | 100%     | 100%           | 100%             |
| SAU800968     | SEP200184       | 87%      | 100%           | 99.7%            |
| SAU800968     | SHA101674       | 89%      | 100%           | 99.7%            |
| SAU800968     | VCH103722       | 25%      | 65%            | 90.7%            |
| SAU800968     | YPS003019       | 34%      | 82%            | 93.6%            |
| SAU800974     | ABA104297       | 26%      | 56.3%          | 94.9%            |
| SAU800974     | BAN111897       | 23%      | 49.3%          | 76.8%            |
| SAU800974     | BFR101716       | 26%      | 57.1%          | 87.9%            |
| SAU800974     | BCE100247       | 32%      | 57.3%          | 50.9%            |
| SAU800974     | BCE111953       | 32%      | 57.3%          | 49.5%            |
| SAU800974     | CJU101565       | 25%      | 43.2%          | 55.9%            |
| SAU800974     | CDP100706       | 37%      | 62.4%          | 98.7%            |
| SAU800974     | EFA200943       | 35%      | 97.5%          | 97.8%            |
| SAU800974     | EFM101912       | 38%      | 28.3%          | 100%             |
| SAU800974     | KPN309179       | 29%      | 13.1%          | 16.1%            |
| SAU800974     | NGO101759       | 32%      | 63.6%          | 57.9%            |
| SAU800974     | NME202037       | 32%      | 65.7%          | 61.4%            |
| SAU800974     | PSY104429       | 31%      | 61.6%          | 54.0%            |
| SAU800974     | STM100162       | 31%      | 58.3%          | 53.9%            |
| SAU800974     | SAU800974       | 100%     | 100%           | 100%             |
| SAU800974     | SEP200198       | 68%      | 98.3%          | 98.0%            |
| SAU800974     | SHA100654       | 67%      | 99.2%          | 98.2%            |
| SAU800974     | YPS001466       | 22%      | 19.5%          | 20.5%            |
| SAU800975     | ABA101867       | 51%      | 99.8%          | 99.9%            |
| SAU800975     | BAN105594       | 32%      | 21.2%          | 100%             |
| SAU800975     | BAN100493       | 44%      | 26.6%          | 99.1%            |
| SAU800975     | BAN103472       | 53%      | 43.2%          | 91.0%            |
| SAU800975     | BAN107108       | 60%      | 99.5%          | 100%             |
| SAU800975     | BFR10905        | 38%      | 81.2%          | 79.4%            |
| SAU800975     | BFR101559       | 50%      | 98.6%          | 99.3%            |
| SAU800975     | BPT101928       | 53%      | 98.2%          | 98.5%            |
| SAU800975     | BCE108256       | 52%      | 99.3%          | 99.5%            |
| SAU800975     | BFU101142       | 53%      | 75.1%          | 98.9%            |
| SAU800975     | BMA104295       | 52%      | 98.3%          | 98.6%            |
| SAU800975     | CJU100472       | 48%      | 98.0%          | 98.4%            |
| SAU800975     | CPN200617       | 46%      | 98.0%          | 97.7%            |
| SAU800975     | CTR200383       | 49%      | 98.4%          | 98.6%            |
| SAU800975     | CAC100315       | 55%      | 99.1%          | 99.5%            |
| SAU800975     | CBO100316       | 56%      | 98.7%          | 99.3%            |
| SAU800975     | CDF100817       | 56%      | 98.7%          | 99.3%            |
| SAU800975     | CDP101419       | 52%      | 98.2%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800975     | EBC100668       | 54%      | 64.8%          | 99.3%            |
| SAU800975     | EFA200871       | 61%      | 100%           | 99.9%            |
| SAU800975     | EFM202090       | 61%      | 100%           | 99.8%            |
| SAU800975     | ECO102539       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | HIN100839       | 52%      | 98.2%          | 98.8%            |
| SAU800975     | HPY100260       | 46%      | 97.4%          | 97.8%            |
| SAU800975     | KPN301209       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | LPN102913       | 51%      | 96.7%          | 98.8%            |
| SAU800975     | LMO101394       | 63%      | 99.4%          | 99.8%            |
| SAU800975     | MCA100931       | 51%      | 99.3%          | 96.3%            |
| SAU800975     | MAV101212       | 53%      | 98.2%          | 96.5%            |
| SAU800975     | MBV100178       | 53%      | 94.9%          | 100%             |
| SAU800975     | MLP101480       | 53%      | 98.6%          | 99.2%            |
| SAU800975     | MTU200383       | 52%      | 98.6%          | 99.2%            |
| SAU800975     | MGE100365       | 50%      | 80.9%          | 97.3%            |
| SAU800975     | MPN100311       | 50%      | 80.3%          | 96.5%            |
| SAU800975     | NGO100439       | 50%      | 98.6%          | 99.4%            |
| SAU800975     | NME201542       | 50%      | 98.6%          | 99.4%            |
| SAU800975     | PMU101704       | 52%      | 96.7%          | 97.3%            |
| SAU800975     | PRT105204       | 52%      | 98.8%          | 99.2%            |
| SAU800975     | PAE204540       | 51%      | 98.6%          | 99.4%            |
| SAU800975     | PPU108177       | 51%      | 98.6%          | 99.4%            |
| SAU800975     | PSY100953       | 52%      | 93.9%          | 98.5%            |
| SAU800975     | STY102189       | 52%      | 98.6%          | 99.3%            |
| SAU800975     | STM103776       | 38%      | 81.2%          | 77.9%            |
| SAU800975     | SAU800975       | 100%     | 100%           | 100%             |
| SAU800975     | SEP200200       | 87%      | 99.7%          | 99.7%            |
| SAU800975     | SHA100227       | 90%      | 91.6%          | 97.9%            |
| SAU800975     | SMU100300       | 44%      | 96.5%          | 97.0%            |
| SAU800975     | TPA100070       | 51%      | 98.6%          | 99.0%            |
| SAU800975     | UUR100394       | 52%      | 80.3%          | 97.4%            |
| SAU800975     | VCH100698       | 51%      | 98.7%          | 99.4%            |
| SAU800975     | YPS002837       | 51%      | 98.7%          | 99.2%            |
| SAU800984     | ABA105798       | 37%      | 98.8%          | 99.5%            |
| SAU800984     | ABA100324       | 40%      | 99.0%          | 99.8%            |
| SAU800984     | BAN112689       | 60%      | 98.3%          | 99.8%            |
| SAU800984     | BAN107953       | 64%      | 99.3%          | 99.8%            |
| SAU800984     | BFR12010        | 50%      | 98.6%          | 98.8%            |
| SAU800984     | BPT102618       | 49%      | 98.3%          | 99.3%            |
| SAU800984     | BCE113298       | 51%      | 74.2%          | 99.0%            |
| SAU800984     | BFU100675       | 52%      | 98.3%          | 95.3%            |
| SAU800984     | BMA102164       | 52%      | 98.3%          | 99.0%            |
| SAU800984     | CJU100410       | 47%      | 98.8%          | 99.8%            |
| SAU800984     | CPN200933       | 47%      | 98.6%          | 98.8%            |
| SAU800984     | CTR200146       | 46%      | 98.8%          | 98.6%            |
| SAU800984     | CAC100013       | 54%      | 99.0%          | 99.8%            |
| SAU800984     | CBO102384       | 53%      | 99.3%          | 99.0%            |
| SAU800984     | CDF101773       | 58%      | 98.8%          | 99.5%            |
| SAU800984     | CDP100587       | 25%      | 98.3%          | 27.7%            |
| SAU800984     | EBC100090       | 50%      | 63.5%          | 98.9%            |
| SAU800984     | EFA201888       | 53%      | 98.8%          | 99.3%            |
| SAU800984     | EFM201378       | 54%      | 98.6%          | 99.3%            |
| SAU800984     | ECO101068       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | HIN101502       | 39%      | 98.6%          | 99.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800984     | HPY100551       | 46%      | 98.3%          | 99.5%            |
| SAU800984     | KPN301302       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | LPN100053       | 54%      | 98.6%          | 99.3%            |
| SAU800984     | LMO100394       | 64%      | 98.8%          | 99.0%            |
| SAU800984     | MCA101479       | 46%      | 98.3%          | 100%             |
| SAU800984     | MAV103067       | 39%      | 97.8%          | 100%             |
| SAU800984     | MBV100653       | 38%      | 98.1%          | 96.9%            |
| SAU800984     | MLP101008       | 39%      | 98.1%          | 96.9%            |
| SAU800984     | MTU202211       | 38%      | 98.1%          | 96.9%            |
| SAU800984     | NGO100696       | 52%      | 99.8%          | 92.6%            |
| SAU800984     | NME200042       | 53%      | 99.8%          | 99.8%            |
| SAU800984     | PMU100339       | 39%      | 99.0%          | 99.8%            |
| SAU800984     | PRT104423       | 49%      | 98.3%          | 99.0%            |
| SAU800984     | PAE202963       | 52%      | 98.6%          | 98.8%            |
| SAU800984     | PPU104840       | 53%      | 98.6%          | 98.8%            |
| SAU800984     | PSY101697       | 51%      | 98.6%          | 98.8%            |
| SAU800984     | SPA100629       | 50%      | 98.3%          | 99.0%            |
| SAU800984     | STY102533       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | STM102723       | 51%      | 98.3%          | 99.0%            |
| SAU800984     | SAU800984       | 100%     | 100%           | 100%             |
| SAU800984     | SEP200206       | 88%      | 99.8%          | 99.8%            |
| SAU800984     | SHA101847       | 89%      | 99.8%          | 99.8%            |
| SAU800984     | SMU100539       | 44%      | 98.8%          | 99.0%            |
| SAU800984     | SPN400382       | 46%      | 98.6%          | 97.8%            |
| SAU800984     | SPY201347       | 47%      | 98.8%          | 99.0%            |
| SAU800984     | VCH101989       | 52%      | 98.3%          | 99.0%            |
| SAU800984     | YPS003134       | 49%      | 98.3%          | 99.0%            |
| SAU800996     | ABA105617       | 30%      | 97.9%          | 96.4%            |
| SAU800996     | BAN100511       | 58%      | 100%           | 100%             |
| SAU800996     | BAN103479       | 64%      | 100%           | 99.7%            |
| SAU800996     | BFR11695        | 32%      | 97.3%          | 92.8%            |
| SAU800996     | BPT101857       | 31%      | 98.2%          | 72.9%            |
| SAU800996     | BBU100005       | 33%      | 99.1%          | 93.8%            |
| SAU800996     | BCE111566       | 43%      | 50.2%          | 42%              |
| SAU800996     | BFU104126       | 39%      | 98.5%          | 98.5%            |
| SAU800996     | BMA102942       | 43%      | 98.5%          | 98.5%            |
| SAU800996     | CJU100356       | 36%      | 97.9%          | 99.4%            |
| SAU800996     | CPN201050       | 29%      | 98.8%          | 96.5%            |
| SAU800996     | CTR200863       | 29%      | 98.8%          | 96.0%            |
| SAU800996     | CAC102256       | 53%      | 98.2%          | 94.5%            |
| SAU800996     | CBO103516       | 53%      | 98.2%          | 97.3%            |
| SAU800996     | CDF103033       | 51%      | 99.7%          | 98.5%            |
| SAU800996     | CDP100799       | 47%      | 98.2%          | 93.9%            |
| SAU800996     | EBC103867       | 51%      | 97.6%          | 97.0%            |
| SAU800996     | EFA200882       | 60%      | 99.7%          | 92.5%            |
| SAU800996     | EFM201661       | 33%      | 97.9%          | 97.6%            |
| SAU800996     | ECO103307       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | HIN100618       | 50%      | 97.6%          | 97.0%            |
| SAU800996     | HPY101236       | 46%      | 97.9%          | 94.4%            |
| SAU800996     | KPN301318       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | LPN101785       | 40%      | 48.9%          | 40.6%            |
| SAU800996     | LMO101120       | 62%      | 99.7%          | 98.8%            |
| SAU800996     | MCA100953       | 30%      | 97.9%          | 95.8%            |
| SAU800996     | MAV101730       | 43%      | 99.1%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU800996     | MBV102918       | 45%      | 97.6%          | 96.4%            |
| SAU800996     | MLP100424       | 42%      | 97.6%          | 95.6%            |
| SAU800996     | MTU203293       | 45%      | 97.6%          | 96.4%            |
| SAU800996     | MGE100128       | 36%      | 97.3%          | 96.3%            |
| SAU800996     | MPN100568       | 36%      | 99.1%          | 98.3%            |
| SAU800996     | NGO100436       | 30%      | 97.9%          | 97.3%            |
| SAU800996     | NME201541       | 30%      | 97.9%          | 97.3%            |
| SAU800996     | PMU101621       | 50%      | 97.6%          | 97.3%            |
| SAU800996     | PRT100815       | 53%      | 97.6%          | 94.7%            |
| SAU800996     | PAE204437       | 30%      | 97.9%          | 73.4%            |
| SAU800996     | PPU111782       | 33%      | 97.9%          | 73.3%            |
| SAU800996     | PSY103844       | 33%      | 97.9%          | 73.3%            |
| SAU800996     | SPA103184       | 46%      | 62.6%          | 98.1%            |
| SAU800996     | STY101408       | 51%      | 98.8%          | 98.2%            |
| SAU800996     | SAU800996       | 100%     | 100%           | 100%             |
| SAU800996     | SEP200218       | 88%      | 100%           | 100%             |
| SAU800996     | SHA100262       | 87%      | 100%           | 100%             |
| SAU800996     | SMU101412       | 34%      | 97.9%          | 97.6%            |
| SAU800996     | SPN402031       | 35%      | 97.9%          | 97.4%            |
| SAU800996     | SPY201690       | 34%      | 97.9%          | 97.6%            |
| SAU800996     | TPA100625       | 29%      | 99.7%          | 98.2%            |
| SAU800996     | UUR100175       | 46%      | 98.8%          | 99.7%            |
| SAU800996     | VCH102586       | 48%      | 97.6%          | 89.9%            |
| SAU800996     | YPS001667       | 51%      | 97.6%          | 93.6%            |
| SAU801001     | BAN107249       | 31%      | 78.8%          | 54.9%            |
| SAU801001     | BAN110882       | 32%      | 76.6%          | 47.5%            |
| SAU801001     | CAC101275       | 39%      | 20.7%          | 37.6%            |
| SAU801001     | EFM100918       | 36%      | 33.2%          | 25.3%            |
| SAU801001     | LMO101980       | 28%      | 82.1%          | 55.9%            |
| SAU801001     | PPU103349       | 28%      | 40.2%          | 25.4%            |
| SAU801001     | SAU801001       | 100%     | 100%           | 100%             |
| SAU801001     | SEP200228       | 78%      | 96.2%          | 68.3%            |
| SAU801001     | SHA100236       | 78%      | 96.7%          | 68.7%            |
| SAU801002     | EFA200888       | 25%      | 70.4%          | 40.6%            |
| SAU801002     | SAU801002       | 100%     | 100%           | 100%             |
| SAU801003     | ABA103708       | 32%      | 35.5%          | 10.3%            |
| SAU801003     | BAN109236       | 44%      | 44.6%          | 88.5%            |
| SAU801003     | BAN104719       | 43%      | 91.7%          | 89.5%            |
| SAU801003     | BAN108205       | 52%      | 97.5%          | 90.2%            |
| SAU801003     | BAN109057       | 52%      | 97.5%          | 90.2%            |
| SAU801003     | BPT101594       | 35%      | 96.7%          | 85.8%            |
| SAU801003     | BCE115088       | 33%      | 96.7%          | 89.0%            |
| SAU801003     | BFU111683       | 31%      | 97.5%          | 87.8%            |
| SAU801003     | BMA100121       | 32%      | 96.7%          | 71.2%            |
| SAU801003     | CJU100430       | 22%      | 95.0%          | 92.1%            |
| SAU801003     | CDP101259       | 29%      | 95.0%          | 92.3%            |
| SAU801003     | LPN103152       | 37%      | 57.0%          | 62.9%            |
| SAU801003     | MAV105125       | 38%      | 95.9%          | 85.8%            |
| SAU801003     | MBV101537       | 38%      | 95.9%          | 90.3%            |
| SAU801003     | MLP100775       | 39%      | 95.9%          | 94.5%            |
| SAU801003     | MTU202434       | 38%      | 95.9%          | 94.5%            |
| SAU801003     | SAU801003       | 100%     | 100%           | 100%             |
| SAU801003     | SEP200229       | 77%      | 100%           | 95.3%            |
| SAU801003     | SHA100235       | 81%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801007     | ABA101740       | 34%      | 55.4%          | 48.7%            |
| SAU801007     | BAN113253       | 59%      | 82.9%          | 99.6%            |
| SAU801007     | BAN112667       | 66%      | 98.1%          | 99.2%            |
| SAU801007     | BFR100600       | 33%      | 63.6%          | 58.6%            |
| SAU801007     | BPT103790       | 28%      | 61.7%          | 53.2%            |
| SAU801007     | BBU100310       | 28%      | 59.5%          | 55.6%            |
| SAU801007     | BCE114005       | 27%      | 86.2%          | 70.6%            |
| SAU801007     | BFU102654       | 29%      | 76.6%          | 62.3%            |
| SAU801007     | BMA109400       | 26%      | 85.9%          | 66.4%            |
| SAU801007     | CJU100602       | 33%      | 62.5%          | 56.3%            |
| SAU801007     | CAC101559       | 25%      | 86.6%          | 79.9%            |
| SAU801007     | CBO102717       | 26%      | 84.0%          | 77.9%            |
| SAU801007     | CDF103162       | 28%      | 95.9%          | 95.9%            |
| SAU801007     | CDP101033       | 25%      | 84.0%          | 70.0%            |
| SAU801007     | EBC102479       | 27%      | 59.1%          | 58.6%            |
| SAU801007     | EFA200895       | 45%      | 98.9%          | 100%             |
| SAU801007     | ECO102562       | 27%      | 59.1%          | 53.8%            |
| SAU801007     | HIN100070       | 29%      | 71.4%          | 71.3%            |
| SAU801007     | HPY101374       | 28%      | 66.2%          | 57.4%            |
| SAU801007     | KPN301269       | 25%      | 60.2%          | 54.8%            |
| SAU801007     | LPN101990       | 33%      | 56.1%          | 50.5%            |
| SAU801007     | LMO100773       | 57%      | 97.8%          | 99.2%            |
| SAU801007     | MCA101910       | 30%      | 64.3%          | 55.9%            |
| SAU801007     | MAV102046       | 27%      | 84.0%          | 68.8%            |
| SAU801007     | MBV105349       | 26%      | 84.0%          | 72.0%            |
| SAU801007     | MLP100841       | 31%      | 64.7%          | 53.7%            |
| SAU801007     | MTU201674       | 26%      | 84.0%          | 72.0%            |
| SAU801007     | MGE100130       | 28%      | 75.5%          | 73.4%            |
| SAU801007     | MPN100566       | 28%      | 75.8%          | 73.7%            |
| SAU801007     | NGO100871       | 27%      | 81.8%          | 72.3%            |
| SAU801007     | NME200939       | 26%      | 81.8%          | 72.3%            |
| SAU801007     | PMU100333       | 24%      | 84.0%          | 73.1%            |
| SAU801007     | PRT101147       | 30%      | 51.7%          | 62.0%            |
| SAU801007     | PAE203086       | 31%      | 54.3%          | 48.8%            |
| SAU801007     | PPU105852       | 31%      | 54.3%          | 48.6%            |
| SAU801007     | PSY100717       | 31%      | 54.3%          | 48.6%            |
| SAU801007     | SPA101531       | 26%      | 57.2%          | 52.6%            |
| SAU801007     | STY102233       | 26%      | 57.2%          | 52.1%            |
| SAU801007     | STM102487       | 26%      | 57.2%          | 52.1%            |
| SAU801007     | SAU801007       | 100%     | 100%           | 100%             |
| SAU801007     | SEP200233       | 94%      | 100%           | 100%             |
| SAU801007     | SHA100764       | 91%      | 100%           | 100%             |
| SAU801007     | SMU100219       | 44%      | 97.8%          | 94.9%            |
| SAU801007     | SPN401005       | 41%      | 99.3%          | 96.4%            |
| SAU801007     | SPY200856       | 45%      | 97.4%          | 94.2%            |
| SAU801007     | TPA100437       | 27%      | 61.0%          | 51.5%            |
| SAU801007     | UUR100177       | 30%      | 71.7%          | 67.0%            |
| SAU801007     | VCH100837       | 30%      | 57.2%          | 51.7%            |
| SAU801007     | YPS002057       | 29%      | 54.6%          | 49.5%            |
| SAU801008     | BAN108299       | 36%      | 81.0%          | 82.3%            |
| SAU801008     | BAN112738       | 39%      | 88.4%          | 86.5%            |
| SAU801008     | EFA200896       | 32%      | 95.1%          | 94.9%            |
| SAU801008     | SAU801008       | 100%     | 100%           | 100%             |
| SAU801008     | SEP200234       | 59%      | 100%           | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801008     | SHA100765       | 57%      | 100%           | 100%             |
| SAU801008     | SMU100212       | 38%      | 94.0%          | 92.9%            |
| SAU801008     | SPN401006       | 39%      | 95.1%          | 93.3%            |
| SAU801008     | SPY200857       | 36%      | 97.9%          | 96.7%            |
| SAU801011     | ABA105845       | 47%      | 98.4%          | 87.5%            |
| SAU801011     | BAN111495       | 45%      | 98.8%          | 97.8%            |
| SAU801011     | BAN110931       | 63%      | 98.4%          | 98.4%            |
| SAU801011     | BFR102480       | 28%      | 98.4%          | 86.1%            |
| SAU801011     | BPT101515       | 45%      | 98.4%          | 96.6%            |
| SAU801011     | BFU100534       | 44%      | 98.4%          | 95.4%            |
| SAU801011     | BMA108591       | 43%      | 98.4%          | 95.4%            |
| SAU801011     | CJU101319       | 47%      | 97.7%          | 90.5%            |
| SAU801011     | CPN200344       | 33%      | 97.7%          | 94.0%            |
| SAU801011     | CTR200374       | 33%      | 97.7%          | 94.3%            |
| SAU801011     | EBC101481       | 43%      | 97.7%          | 95.0%            |
| SAU801011     | EFA201890       | 51%      | 97.7%          | 98.4%            |
| SAU801011     | ECO101259       | 44%      | 97.3%          | 94.7%            |
| SAU801011     | HIN101698       | 42%      | 97.3%          | 84.1%            |
| SAU801011     | HPY100192       | 45%      | 98.4%          | 90.9%            |
| SAU801011     | KPN301049       | 41%      | 97.7%          | 95.0%            |
| SAU801011     | LPN103417       | 46%      | 98.4%          | 94.0%            |
| SAU801011     | LMO102350       | 53%      | 99.2%          | 98.5%            |
| SAU801011     | MCA100281       | 44%      | 98.4%          | 93.8%            |
| SAU801011     | MAV103640       | 32%      | 96.9%          | 96.3%            |
| SAU801011     | MBV101416       | 31%      | 97.7%          | 97.0%            |
| SAU801011     | MLP101099       | 33%      | 96.9%          | 96.3%            |
| SAU801011     | MTU201463       | 31%      | 97.7%          | 97.0%            |
| SAU801011     | NGO101585       | 45%      | 97.3%          | 95.4%            |
| SAU801011     | NME201989       | 45%      | 97.3%          | 95.4%            |
| SAU801011     | PMU100182       | 44%      | 98.4%          | 96.5%            |
| SAU801011     | PRT101421       | 45%      | 97.3%          | 94.7%            |
| SAU801011     | PAE201805       | 43%      | 97.7%          | 95.1%            |
| SAU801011     | PSY103929       | 44%      | 97.7%          | 95.5%            |
| SAU801011     | SPA104351       | 34%      | 97.3%          | 94.7%            |
| SAU801011     | STY103075       | 43%      | 97.3%          | 94.7%            |
| SAU801011     | STM101286       | 43%      | 97.3%          | 94.7%            |
| SAU801011     | SAU801011       | 100%     | 100%           | 100%             |
| SAU801011     | SEP200257       | 93%      | 100%           | 100%             |
| SAU801011     | SHA100265       | 95%      | 47.3%          | 100%             |
| SAU801013     | BAN109098       | 39%      | 96.4%          | 95.0%            |
| SAU801013     | BAN104092       | 44%      | 96.2%          | 93.2%            |
| SAU801013     | BAN113298       | 47%      | 99.0%          | 92.3%            |
| SAU801013     | BAN101687       | 54%      | 98.2%          | 94.4%            |
| SAU801013     | CDF100154       | 51%      | 60.1%          | 88.7%            |
| SAU801013     | CDF102305       | 42%      | 97.6%          | 93.8%            |
| SAU801013     | CDP100704       | 47%      | 97.6%          | 95.2%            |
| SAU801013     | EBC101736       | 53%      | 96.4%          | 89.6%            |
| SAU801013     | MCA103444       | 48%      | 96.8%          | 94.0%            |
| SAU801013     | SAU801013       | 100%     | 100%           | 100%             |
| SAU801013     | VCH100771       | 48%      | 98.4%          | 92.1%            |
| SAU801018     | ABA100927       | 31%      | 93.9%          | 93.4%            |
| SAU801018     | BAN102528       | 33%      | 80.4%          | 94.4%            |
| SAU801018     | BAN109007       | 36%      | 92.1%          | 95.2%            |
| SAU801018     | BAN108968       | 33%      | 91.9%          | 94.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801018     | BAN109347       | 42%      | 92.1%          | 92.5%            |
| SAU801018     | BFR11372        | 30%      | 94.5%          | 96.1%            |
| SAU801018     | BBU100200       | 29%      | 90.9%          | 90.6%            |
| SAU801018     | BCE108649       | 32%      | 72.7%          | 91.6%            |
| SAU801018     | BFU100823       | 33%      | 88.9%          | 88.4%            |
| SAU801018     | BMA100072       | 33%      | 88.9%          | 88.3%            |
| SAU801018     | CJU101547       | 31%      | 87.7%          | 92.0%            |
| SAU801018     | CPN200331       | 32%      | 93.9%          | 95.4%            |
| SAU801018     | CTR200533       | 31%      | 91.3%          | 92.4%            |
| SAU801018     | CAC101131       | 32%      | 96.4%          | 98.1%            |
| SAU801018     | CAC103376       | 33%      | 94.1%          | 95.6%            |
| SAU801018     | CBO100064       | 35%      | 94.5%          | 96.1%            |
| SAU801018     | CDF102952       | 30%      | 96.4%          | 97.7%            |
| SAU801018     | CDP101281       | 34%      | 78.7%          | 80.9%            |
| SAU801018     | EBC102573       | 29%      | 92.3%          | 93.9%            |
| SAU801018     | EFA201208       | 27%      | 94.5%          | 92.5%            |
| SAU801018     | EFM201835       | 28%      | 91.3%          | 90.2%            |
| SAU801018     | ECO100085       | 30%      | 91.3%          | 92.9%            |
| SAU801018     | HIN101107       | 31%      | 93.1%          | 95.9%            |
| SAU801018     | HPY101473       | 32%      | 74.9%          | 81.7%            |
| SAU801018     | KPN301847       | 29%      | 92.3%          | 93.9%            |
| SAU801018     | LPN100418       | 32%      | 28.5%          | 87.0%            |
| SAU801018     | LMO101113       | 34%      | 94.5%          | 95.3%            |
| SAU801018     | MCA100819       | 32%      | 72.9%          | 69.7%            |
| SAU801018     | MAV104018       | 29%      | 94.5%          | 90.8%            |
| SAU801018     | MBV100072       | 27%      | 79.8%          | 91.1%            |
| SAU801018     | MLP100564       | 30%      | 89.3%          | 84.7%            |
| SAU801018     | MTU202124       | 29%      | 93.9%          | 87.7%            |
| SAU801018     | NGO100606       | 33%      | 90.5%          | 91.5%            |
| SAU801018     | NME201913       | 33%      | 90.5%          | 91.5%            |
| SAU801018     | PMU100137       | 32%      | 92.1%          | 94.7%            |
| SAU801018     | PRT102626       | 32%      | 89.7%          | 91.5%            |
| SAU801018     | PAE204415       | 33%      | 91.7%          | 93.2%            |
| SAU801018     | PPU105954       | 33%      | 91.1%          | 92.7%            |
| SAU801018     | PSY107311       | 33%      | 90.1%          | 91.8%            |
| SAU801018     | SPA102754       | 28%      | 91.3%          | 93.3%            |
| SAU801018     | STY103171       | 30%      | 91.3%          | 93.1%            |
| SAU801018     | STM102863       | 29%      | 91.3%          | 93.1%            |
| SAU801018     | SAU801018       | 100%     | 100%           | 100%             |
| SAU801018     | SEP200270       | 87%      | 99.8%          | 99.8%            |
| SAU801018     | SHA101090       | 85%      | 99.4%          | 99.4%            |
| SAU801018     | SMU100386       | 28%      | 89.5%          | 88.6%            |
| SAU801018     | SPN401383       | 29%      | 89.9%          | 89.4%            |
| SAU801018     | SPY200283       | 28%      | 91.5%          | 90.9%            |
| SAU801018     | TPA100923       | 28%      | 91.9%          | 92.0%            |
| SAU801018     | VCH102371       | 31%      | 89.7%          | 87.5%            |
| SAU801018     | YPS000993       | 30%      | 92.3%          | 94.9%            |
| SAU801019     | SAU801019       | 100%     | 100%           | 100%             |
| SAU801019     | SEP202484       | 36%      | 85.5%          | 86.4%            |
| SAU801019     | SHA101091       | 48%      | 75.9%          | 76.2%            |
| SAU801020     | SAU801020       | 100%     | 100%           | 100%             |
| SAU801021     | ABA103073       | 39%      | 99.5%          | 76.8%            |
| SAU801021     | BFR10621        | 39%      | 99.3%          | 81.9%            |
| SAU801021     | BPT101443       | 43%      | 99.8%          | 75.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801021     | BFU103306       | 44%      | 88.4%          | 67.4%            |
| SAU801021     | CAC101793       | 44%      | 96.5%          | 75.1%            |
| SAU801021     | CBO102015       | 46%      | 96.5%          | 75.0%            |
| SAU801021     | CDP100203       | 34%      | 100%           | 77.0%            |
| SAU801021     | EBC103571       | 40%      | 98.8%          | 76.7%            |
| SAU801021     | EFA201098       | 59%      | 100%           | 77.7%            |
| SAU801021     | EFM201941       | 57%      | 100%           | 80.8%            |
| SAU801021     | ECO104261       | 41%      | 99.3%          | 76.7%            |
| SAU801021     | HIN101699       | 41%      | 99.3%          | 77.0%            |
| SAU801021     | KPN302173       | 43%      | 88.4%          | 66.4%            |
| SAU801021     | LPN103093       | 43%      | 98.8%          | 82.8%            |
| SAU801021     | LMO102853       | 62%      | 100%           | 77.6%            |
| SAU801021     | MCA101980       | 42%      | 88.9%          | 68.6%            |
| SAU801021     | NGO100799       | 41%      | 98.5%          | 75.7%            |
| SAU801021     | NME200772       | 42%      | 98.5%          | 75.7%            |
| SAU801021     | PMU100816       | 40%      | 99.3%          | 76.7%            |
| SAU801021     | PRT100771       | 41%      | 99.3%          | 76.7%            |
| SAU801021     | PAE203900       | 45%      | 88.6%          | 68.3%            |
| SAU801021     | PPU101429       | 41%      | 98.8%          | 66.8%            |
| SAU801021     | PSY106730       | 40%      | 98.8%          | 76.5%            |
| SAU801021     | SPA102185       | 39%      | 98.8%          | 77.5%            |
| SAU801021     | STY104563       | 40%      | 98.8%          | 76.4%            |
| SAU801021     | STM100343       | 40%      | 98.8%          | 76.4%            |
| SAU801021     | SAU801021       | 100%     | 100%           | 100%             |
| SAU801021     | SEP200272       | 92%      | 100%           | 77.9%            |
| SAU801021     | SHA102902       | 93%      | 100%           | 87.9%            |
| SAU801021     | SMU100745       | 56%      | 99.0%          | 77.5%            |
| SAU801021     | SPN400396       | 57%      | 99.0%          | 76.8%            |
| SAU801021     | SPY201085       | 59%      | 99.0%          | 76.8%            |
| SAU801021     | VCH100647       | 42%      | 98.8%          | 76.1%            |
| SAU801021     | YPS000093       | 46%      | 88.4%          | 68.1%            |
| SAU801025     | CDF100072       | 21%      | 21.0%          | 92.2%            |
| SAU801025     | CDF102294       | 22%      | 49.6%          | 42.0%            |
| SAU801025     | CDF101487       | 22%      | 56.5%          | 64.9%            |
| SAU801025     | CDF103240       | 22%      | 54.8%          | 48.4%            |
| SAU801025     | SAU801025       | 100%     | 100%           | 100%             |
| SAU801025     | SEP200278       | 69%      | 99.2%          | 96.9%            |
| SAU801025     | SHA101420       | 64%      | 99.2%          | 99.0%            |
| SAU801038     | BAN107236       | 35%      | 75.5%          | 92.4%            |
| SAU801038     | BAN102502       | 36%      | 90.6%          | 92.0%            |
| SAU801038     | BCE100353       | 24%      | 79.0%          | 75.1%            |
| SAU801038     | BFU107408       | 25%      | 79.6%          | 70.2%            |
| SAU801038     | BMA101385       | 24%      | 77.4%          | 63.3%            |
| SAU801038     | EBC103345       | 37%      | 87.8%          | 89.3%            |
| SAU801038     | ECO104179       | 36%      | 87.8%          | 88.7%            |
| SAU801038     | KPN304212       | 25%      | 44.5%          | 48.0%            |
| SAU801038     | PMU100131       | 37%      | 89.0%          | 91.6%            |
| SAU801038     | PSY102144       | 35%      | 85.0%          | 87.5%            |
| SAU801038     | STY103490       | 25%      | 40.8%          | 43.9%            |
| SAU801038     | STM103176       | 25%      | 40.8%          | 43.9%            |
| SAU801038     | SAU802177       | 48%      | 96.9%          | 96.6%            |
| SAU801038     | SAU801038       | 100%     | 100%           | 100%             |
| SAU801038     | SEP202004       | 45%      | 96.9%          | 95.5%            |
| SAU801038     | SHA100119       | 56%      | 49.5%          | 93.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801038     | SPN200521       | 31%      | 54.5%          | 91.7%            |
| SAU801038     | VCH100200       | 29%      | 47.3%          | 47.6%            |
| SAU801060     | ABA101560       | 50%      | 96.7%          | 99.7%            |
| SAU801060     | BAN108287       | 46%      | 94.9%          | 97.8%            |
| SAU801060     | BAN107549       | 60%      | 96.5%          | 99.1%            |
| SAU801060     | BFR102649       | 21%      | 21.9%          | 79.6%            |
| SAU801060     | BPT102772       | 50%      | 92.9%          | 96.1%            |
| SAU801060     | BCE104897       | 49%      | 98.5%          | 97.2%            |
| SAU801060     | BFU101932       | 49%      | 95.3%          | 94.9%            |
| SAU801060     | BMA105777       | 48%      | 98.8%          | 100%             |
| SAU801060     | BMA107179       | 48%      | 98.8%          | 97.5%            |
| SAU801060     | CDP102039       | 43%      | 77.6%          | 89.7%            |
| SAU801060     | EBC103074       | 47%      | 65.0%          | 96.4%            |
| SAU801060     | ECO100423       | 50%      | 93.2%          | 93.4%            |
| SAU801060     | HPY100141       | 22%      | 36.0%          | 51.6%            |
| SAU801060     | KPN303419       | 50%      | 93.2%          | 93.4%            |
| SAU801060     | LPN100442       | 46%      | 32.0%          | 94.6%            |
| SAU801060     | LMO102701       | 66%      | 96.7%          | 96.8%            |
| SAU801060     | MCA101093       | 19%      | 62.8%          | 91.3%            |
| SAU801060     | MAV101361       | 45%      | 75.2%          | 91.2%            |
| SAU801060     | MBV105923       | 45%      | 76.3%          | 87.6%            |
| SAU801060     | MLP101062       | 45%      | 76.3%          | 87.5%            |
| SAU801060     | MTU203003       | 45%      | 76.3%          | 87.6%            |
| SAU801060     | NGO100639       | 17%      | 45.3%          | 60.6%            |
| SAU801060     | NME201828       | 17%      | 45.3%          | 60.1%            |
| SAU801060     | PRT104154       | 47%      | 96.5%          | 97.7%            |
| SAU801060     | PAE201317       | 48%      | 95.3%          | 95.9%            |
| SAU801060     | PPU109665       | 48%      | 96.5%          | 95.1%            |
| SAU801060     | PSY104253       | 49%      | 95.2%          | 94.0%            |
| SAU801060     | SPA102307       | 48%      | 95.5%          | 96.8%            |
| SAU801060     | STY100720       | 50%      | 95.2%          | 95.0%            |
| SAU801060     | SAU801060       | 100%     | 100%           | 100%             |
| SAU801060     | SEP200351       | 93%      | 100%           | 100%             |
| SAU801060     | SHA100553       | 90%      | 97.3%          | 99.4%            |
| SAU801060     | VCH101421       | 17%      | 48.8%          | 67.1%            |
| SAU801060     | YPS001899       | 50%      | 95.2%          | 95.0%            |
| SAU801061     | ABA103655       | 36%      | 63.4%          | 71.1%            |
| SAU801061     | BAN111570       | 37%      | 59.3%          | 85.5%            |
| SAU801061     | BAN110867       | 40%      | 73.5%          | 94.2%            |
| SAU801061     | BPT102774       | 35%      | 59.8%          | 73.7%            |
| SAU801061     | BCE104834       | 33%      | 63.9%          | 89.7%            |
| SAU801061     | BFU101934       | 37%      | 64.8%          | 85.7%            |
| SAU801061     | BMA109512       | 35%      | 64.5%          | 83.6%            |
| SAU801061     | BMA107732       | 35%      | 66.1%          | 83.4%            |
| SAU801061     | CDP100360       | 21%      | 53.8%          | 72.9%            |
| SAU801061     | EBC101217       | 36%      | 68.0%          | 81.0%            |
| SAU801061     | ECO100424       | 35%      | 68.0%          | 81.0%            |
| SAU801061     | KPN303418       | 38%      | 25.7%          | 64.7%            |
| SAU801061     | LMO100640       | 49%      | 99.2%          | 99.7%            |
| SAU801061     | MAV102952       | 22%      | 24.3%          | 28.3%            |
| SAU801061     | MBV100595       | 20%      | 61.2%          | 89.6%            |
| SAU801061     | MLP100533       | 22%      | 61.7%          | 84.1%            |
| SAU801061     | MTU202166       | 20%      | 62.0%          | 82.1%            |
| SAU801061     | PRT103954       | 37%      | 68.3%          | 82.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801061     | PAE201316       | 36%      | 63.7%          | 71.6%            |
| SAU801061     | PPU101498       | 38%      | 66.4%          | 78.9%            |
| SAU801061     | PSY104255       | 35%      | 67.8%          | 80.5%            |
| SAU801061     | SPA102308       | 34%      | 47.8%          | 55.8%            |
| SAU801061     | STY100721       | 36%      | 68.3%          | 80.2%            |
| SAU801061     | SAU801061       | 100%     | 100%           | 100%             |
| SAU801061     | SEP200354       | 81%      | 100%           | 100%             |
| SAU801061     | SHA100551       | 77%      | 80.1%          | 100%             |
| SAU801061     | YPS001897       | 38%      | 69.4%          | 82.1%            |
| SAU801081     | BAN101424       | 35%      | 96.7%          | 98.0%            |
| SAU801081     | BAN110238       | 46%      | 96.7%          | 95.2%            |
| SAU801081     | BFR11654        | 28%      | 98.2%          | 98.5%            |
| SAU801081     | BBU100789       | 26%      | 42.1%          | 32.5%            |
| SAU801081     | BCE105292       | 26%      | 99.5%          | 94.6%            |
| SAU801081     | BFU105347       | 25%      | 99.5%          | 98.0%            |
| SAU801081     | BMA105381       | 28%      | 58.5%          | 95.8%            |
| SAU801081     | CPN200218       | 30%      | 34.6%          | 49.5%            |
| SAU801081     | CTR200674       | 30%      | 33.6%          | 48%              |
| SAU801081     | CDF102444       | 29%      | 29.0%          | 39.3%            |
| SAU801081     | EBC100814       | 28%      | 96.7%          | 97.2%            |
| SAU801081     | EFA200628       | 42%      | 98.2%          | 97.7%            |
| SAU801081     | EFM201297       | 41%      | 98.7%          | 98.5%            |
| SAU801081     | ECO100942       | 29%      | 89.2%          | 96.2%            |
| SAU801081     | KPN301376       | 27%      | 96.7%          | 95.8%            |
| SAU801081     | LPN102414       | 26%      | 31.3%          | 83.6%            |
| SAU801081     | LPN102136       | 24%      | 74.4%          | 82.4%            |
| SAU801081     | LMO102509       | 43%      | 96.2%          | 95.4%            |
| SAU801081     | NGO101096       | 39%      | 51.8%          | 65.1%            |
| SAU801081     | NME201438       | 35%      | 62.8%          | 80.6%            |
| SAU801081     | PAE200353       | 24%      | 83.1%          | 81.4%            |
| SAU801081     | PPU102183       | 26%      | 82.6%          | 80.9%            |
| SAU801081     | PSY102744       | 27%      | 82.6%          | 80.9%            |
| SAU801081     | SPA103978       | 27%      | 96.7%          | 97.5%            |
| SAU801081     | STY103612       | 27%      | 96.7%          | 95.0%            |
| SAU801081     | SAU801081       | 100%     | 100%           | 100%             |
| SAU801081     | SEP200778       | 77%      | 100%           | 100%             |
| SAU801081     | SHA101353       | 77%      | 100%           | 100%             |
| SAU801081     | SMU100080       | 41%      | 96.9%          | 87.6%            |
| SAU801081     | SPN401235       | 43%      | 98.2%          | 97.4%            |
| SAU801081     | SPY200600       | 43%      | 97.2%          | 97.2%            |
| SAU801081     | VCH101334       | 28%      | 96.7%          | 91.9%            |
| SAU801081     | YPS002174       | 28%      | 96.7%          | 96.7%            |
| SAU801083     | ABA104415       | 34%      | 79.5%          | 78.7%            |
| SAU801083     | BAN108284       | 60%      | 92.0%          | 93.1%            |
| SAU801083     | BAN113302       | 61%      | 92.0%          | 93.1%            |
| SAU801083     | BPT101967       | 38%      | 95.5%          | 71.2%            |
| SAU801083     | BBU100556       | 29%      | 92.0%          | 94.2%            |
| SAU801083     | BCE109463       | 39%      | 93.2%          | 92.1%            |
| SAU801083     | BFU102715       | 35%      | 93.2%          | 92.1%            |
| SAU801083     | BMA101428       | 36%      | 93.2%          | 92.1%            |
| SAU801083     | CPN200726       | 31%      | 90.9%          | 74.1%            |
| SAU801083     | CTR200606       | 32%      | 87.5%          | 74.0%            |
| SAU801083     | CAC100614       | 51%      | 87.5%          | 89.5%            |
| SAU801083     | CBO101012       | 48%      | 93.2%          | 93.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801083     | CDF100787       | 40%      | 84.1%          | 86.0%            |
| SAU801083     | CDP100378       | 27%      | 95.5%          | 95.5%            |
| SAU801083     | EFA201087       | 64%      | 100%           | 100%             |
| SAU801083     | EFM100206       | 63%      | 100%           | 100%             |
| SAU801083     | KPN300336       | 41%      | 87.5%          | 30.7%            |
| SAU801083     | LPN103186       | 41%      | 85.2%          | 84.3%            |
| SAU801083     | LMO101585       | 71%      | 100%           | 100%             |
| SAU801083     | MGE100041       | 47%      | 94.3%          | 95.5%            |
| SAU801083     | MPN100101       | 44%      | 94.3%          | 95.5%            |
| SAU801083     | NGO102690       | 41%      | 93.2%          | 92.1%            |
| SAU801083     | NME200365       | 40%      | 93.2%          | 92.1%            |
| SAU801083     | PMU100898       | 38%      | 77.3%          | 80%              |
| SAU801083     | PRT102262       | 34%      | 94.3%          | 97.6%            |
| SAU801083     | PPU103902       | 32%      | 93.2%          | 92.2%            |
| SAU801083     | PSY104754       | 31%      | 95.5%          | 94.4%            |
| SAU801083     | SPA100416       | 41%      | 87.5%          | 27.6%            |
| SAU801083     | STM101235       | 32%      | 94.3%          | 97.6%            |
| SAU801083     | SAU801083       | 100%     | 100%           | 100%             |
| SAU801083     | SEP200782       | 92%      | 100%           | 100%             |
| SAU801083     | SHA101355       | 96%      | 100%           | 100%             |
| SAU801083     | SMU103189       | 66%      | 97.7%          | 98.9%            |
| SAU801083     | SPN401063       | 67%      | 97.7%          | 98.9%            |
| SAU801083     | SPY201055       | 66%      | 97.7%          | 98.9%            |
| SAU801083     | TPA100582       | 45%      | 79.5%          | 79.5%            |
| SAU801083     | UUR100594       | 30%      | 97.7%          | 98.9%            |
| SAU801084     | ABA102248       | 39%      | 97.9%          | 57.4%            |
| SAU801084     | BAN113590       | 50%      | 99.5%          | 100%             |
| SAU801084     | BAN102128       | 65%      | 99.5%          | 99.8%            |
| SAU801084     | BFR102843       | 28%      | 66.3%          | 49.5%            |
| SAU801084     | BPT101969       | 40%      | 89.3%          | 84.4%            |
| SAU801084     | BBU100557       | 38%      | 99.1%          | 99.3%            |
| SAU801084     | BCE105897       | 38%      | 94.2%          | 91.0%            |
| SAU801084     | BFU102716       | 37%      | 94.2%          | 91.2%            |
| SAU801084     | BMA107198       | 38%      | 94.2%          | 91.9%            |
| SAU801084     | CPN200725       | 29%      | 98.6%          | 96.5%            |
| SAU801084     | CTR200605       | 27%      | 98.8%          | 96.5%            |
| SAU801084     | CAC102388       | 55%      | 93.4%          | 98.9%            |
| SAU801084     | CBO103848       | 54%      | 93.4%          | 98.9%            |
| SAU801084     | CDF100789       | 56%      | 97.6%          | 97.7%            |
| SAU801084     | CDP100363       | 31%      | 96.7%          | 95.6%            |
| SAU801084     | EBC101637       | 50%      | 99.5%          | 100%             |
| SAU801084     | EFA201084       | 63%      | 100%           | 100%             |
| SAU801084     | EFM201634       | 70%      | 44.2%          | 99.2%            |
| SAU801084     | ECO102367       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | HIN101677       | 50%      | 99.3%          | 99.0%            |
| SAU801084     | HPY100119       | 27%      | 69.6%          | 51.1%            |
| SAU801084     | KPN300705       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | LPN100853       | 34%      | 93.0%          | 69.5%            |
| SAU801084     | LMO101249       | 69%      | 99.7%          | 99.5%            |
| SAU801084     | MCA100687       | 29%      | 70.1%          | 52.5%            |
| SAU801084     | MAV102627       | 27%      | 12.8%          | 14.1%            |
| SAU801084     | MAV101273       | 33%      | 12.9%          | 13.8%            |
| SAU801084     | MAV100488       | 35%      | 12.9%          | 13.4%            |
| SAU801084     | MBV104403       | 35%      | 12.9%          | 14.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801084     | MLP100590       | 37%      | 12.9%          | 12.0%            |
| SAU801084     | MTU201112       | 35%      | 12.9%          | 14.7%            |
| SAU801084     | MGE100439       | 45%      | 99.7%          | 98.8%            |
| SAU801084     | MPN100215       | 45%      | 99.7%          | 98.8%            |
| SAU801084     | NGO101819       | 35%      | 99.1%          | 97.0%            |
| SAU801084     | NME200366       | 35%      | 99.1%          | 97.0%            |
| SAU801084     | PMU100897       | 49%      | 99.3%          | 99.0%            |
| SAU801084     | PRT102260       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | PAE203560       | 38%      | 99.3%          | 57.9%            |
| SAU801084     | PPU109910       | 38%      | 99.0%          | 58%              |
| SAU801084     | PSY105138       | 40%      | 98.6%          | 57.6%            |
| SAU801084     | SPA101201       | 42%      | 99.5%          | 99.1%            |
| SAU801084     | STY104022       | 31%      | 97.7%          | 74.5%            |
| SAU801084     | STM101237       | 50%      | 99.5%          | 99.1%            |
| SAU801084     | SAU801084       | 100%     | 100%           | 100%             |
| SAU801084     | SEP200784       | 88%      | 100%           | 100%             |
| SAU801084     | SHA101356       | 86%      | 93.5%          | 100%             |
| SAU801084     | SMU100862       | 63%      | 99.8%          | 99.5%            |
| SAU801084     | SPN401062       | 61%      | 99.8%          | 99.5%            |
| SAU801084     | SPY201054       | 61%      | 99.8%          | 99.5%            |
| SAU801084     | TPA100738       | 24%      | 62.4%          | 48.5%            |
| SAU801084     | VCH100949       | 50%      | 99.3%          | 99.3%            |
| SAU801084     | YPS000626       | 51%      | 99.5%          | 99.1%            |
| SAU801089     | BAN110506       | 68%      | 97.5%          | 100%             |
| SAU801089     | BAN101466       | 68%      | 98.4%          | 100%             |
| SAU801089     | CJU101614       | 40%      | 97.5%          | 84.3%            |
| SAU801089     | CAC102576       | 47%      | 97.3%          | 99.1%            |
| SAU801089     | CBO101502       | 46%      | 97.3%          | 99.3%            |
| SAU801089     | CBO103283       | 48%      | 98.4%          | 97.7%            |
| SAU801089     | CDF101226       | 50%      | 93.8%          | 99.4%            |
| SAU801089     | CDP100435       | 37%      | 97.0%          | 79.7%            |
| SAU801089     | EFA200195       | 63%      | 97.0%          | 97.5%            |
| SAU801089     | EFM202397       | 67%      | 69.2%          | 98.5%            |
| SAU801089     | HPY101409       | 41%      | 95.9%          | 78.8%            |
| SAU801089     | LMO101604       | 66%      | 98.4%          | 100%             |
| SAU801089     | MAV101957       | 35%      | 96.6%          | 94.6%            |
| SAU801089     | MBV104272       | 34%      | 96.6%          | 97.0%            |
| SAU801089     | MLP100931       | 35%      | 96.6%          | 97.0%            |
| SAU801089     | MTU202715       | 34%      | 96.6%          | 97.0%            |
| SAU801089     | MGE100141       | 38%      | 96.1%          | 96.5%            |
| SAU801089     | MPN100555       | 38%      | 96.1%          | 96.5%            |
| SAU801089     | SAU801089       | 100%     | 100%           | 100%             |
| SAU801089     | SEP200794       | 95%      | 99.1%          | 100%             |
| SAU801089     | SHA100488       | 92%      | 98.4%          | 100%             |
| SAU801089     | SMU100700       | 61%      | 97.5%          | 98.2%            |
| SAU801089     | SPN400125       | 62%      | 98.4%          | 91.0%            |
| SAU801089     | SPY201445       | 61%      | 97.5%          | 98.2%            |
| SAU801089     | TPA100485       | 40%      | 12.0%          | 20.2%            |
| SAU801089     | UUR100577       | 38%      | 98.1%          | 93.8%            |
| SAU801089     | VCH100261       | 25%      | 18.4%          | 21.1%            |
| SAU801093     | BAN105734       | 63%      | 97.0%          | 97.6%            |
| SAU801093     | BAN110170       | 74%      | 97.8%          | 97.6%            |
| SAU801093     | BPT101610       | 30%      | 78.1%          | 91.3%            |
| SAU801093     | BCE113547       | 33%      | 91.1%          | 85.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801093     | BMA102663       | 34%      | 91.6%          | 86.1%            |
| SAU801093     | CPN200448       | 27%      | 81.6%          | 90.6%            |
| SAU801093     | CBO103958       | 32%      | 85.1%          | 98.8%            |
| SAU801093     | CDF100257       | 31%      | 83.8%          | 98.8%            |
| SAU801093     | EFA202418       | 67%      | 99.2%          | 98.9%            |
| SAU801093     | EFM201282       | 53%      | 19.7%          | 100%             |
| SAU801093     | KPN103829       | 37%      | 43.8%          | 83.4%            |
| SAU801093     | LPN103433       | 41%      | 95.1%          | 98.9%            |
| SAU801093     | LMO101849       | 75%      | 98.6%          | 98.4%            |
| SAU801093     | MAV103610       | 41%      | 92.2%          | 97.5%            |
| SAU801093     | MBV101185       | 40%      | 91.9%          | 95.2%            |
| SAU801093     | MTU202460       | 40%      | 91.9%          | 92.6%            |
| SAU801093     | MGE100280       | 35%      | 92.7%          | 95.5%            |
| SAU801093     | MPN100445       | 35%      | 91.1%          | 93.9%            |
| SAU801093     | PAE203415       | 37%      | 92.7%          | 94.2%            |
| SAU801093     | PPU111106       | 33%      | 91.6%          | 86.1%            |
| SAU801093     | SAU801093       | 100%     | 100%           | 100%             |
| SAU801093     | SEP200800       | 94%      | 100%           | 100%             |
| SAU801093     | SHA100009       | 93%      | 75.4%          | 100%             |
| SAU801093     | SMU100295       | 30%      | 92.7%          | 98.6%            |
| SAU801093     | SPY200775       | 28%      | 83.8%          | 99.1%            |
| SAU801094     | BAN108921       | 64%      | 98.5%          | 100%             |
| SAU801094     | BAN101772       | 74%      | 100%           | 100%             |
| SAU801094     | BPT101608       | 41%      | 98.8%          | 99.1%            |
| SAU801094     | BCE101800       | 45%      | 98.8%          | 96.2%            |
| SAU801094     | BMA104981       | 43%      | 98.8%          | 96.0%            |
| SAU801094     | CAC102552       | 23%      | 70.2%          | 35.4%            |
| SAU801094     | EBC103034       | 28%      | 86.8%          | 85.5%            |
| SAU801094     | EFA202409       | 74%      | 100%           | 100%             |
| SAU801094     | EFM200042       | 73%      | 100%           | 100%             |
| SAU801094     | HIN101408       | 22%      | 72.3%          | 35.8%            |
| SAU801094     | KPN303566       | 27%      | 71.4%          | 67.9%            |
| SAU801094     | LPN101708       | 45%      | 95.7%          | 96.0%            |
| SAU801094     | LMO100303       | 76%      | 100%           | 100%             |
| SAU801094     | MCA101840       | 24%      | 72.6%          | 32.9%            |
| SAU801094     | MAV103599       | 46%      | 98.8%          | 91.5%            |
| SAU801094     | MBV101184       | 45%      | 98.5%          | 92.0%            |
| SAU801094     | MTU202459       | 45%      | 98.5%          | 92.0%            |
| SAU801094     | MGE100279       | 39%      | 99.1%          | 98.8%            |
| SAU801094     | MPN100446       | 39%      | 99.1%          | 98.5%            |
| SAU801094     | NGO101578       | 28%      | 76.3%          | 36.3%            |
| SAU801094     | NME200546       | 28%      | 76.3%          | 36.3%            |
| SAU801094     | PMU100532       | 25%      | 68.9%          | 34.0%            |
| SAU801094     | PAE203414       | 40%      | 99.4%          | 97.0%            |
| SAU801094     | PPU100927       | 43%      | 98.8%          | 94.6%            |
| SAU801094     | SAU801094       | 100%     | 100%           | 100%             |
| SAU801094     | SEP200802       | 91%      | 100%           | 100%             |
| SAU801094     | SHA100436       | 90%      | 99.1%          | 100%             |
| SAU801095     | BAN101075       | 58%      | 98.4%          | 100%             |
| SAU801095     | BAN101226       | 68%      | 99.8%          | 99.8%            |
| SAU801095     | BCE111259       | 36%      | 98.6%          | 98.6%            |
| SAU801095     | BMA108930       | 37%      | 29.5%          | 2.9%             |
| SAU801095     | CBO101635       | 33%      | 98.1%          | 98.2%            |
| SAU801095     | EFA202405       | 61%      | 25.8%          | 1.7%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801095     | EFM201990       | 61%      | 26.7%          | 2.0%             |
| SAU801095     | HIN101204       | 33%      | 47.2%          | 20.3%            |
| SAU801095     | KPN301446       | 34%      | 77.4%          | 39.2%            |
| SAU801095     | LMO102367       | 65%      | 26.0%          | 1.5%             |
| SAU801095     | MAV103601       | 31%      | 98.8%          | 97.7%            |
| SAU801095     | MLP100521       | 34%      | 24.0%          | 2.8%             |
| SAU801095     | MTU403766       | 44%      | 20.7%          | 98.9%            |
| SAU801095     | MTU405732       | 33%      | 98.4%          | 96.7%            |
| SAU801095     | MPN100447       | 30%      | 97.9%          | 99.0%            |
| SAU801095     | PAE202247       | 36%      | 98.6%          | 98.6%            |
| SAU801095     | PPU100765       | 35%      | 98.6%          | 98.6%            |
| SAU801095     | PSY103646       | 35%      | 44.7%          | 9.5%             |
| SAU801095     | SAU801095       | 100%     | 100%           | 100%             |
| SAU801095     | SEP200804       | 86%      | 100%           | 100%             |
| SAU801095     | SHA100437       | 87%      | 77.7%          | 100%             |
| SAU801095     | SMU101479       | 35%      | 99.5%          | 100%             |
| SAU801095     | SPN401049       | 33%      | 72.6%          | 93.1%            |
| SAU801095     | SPY200777       | 33%      | 99.3%          | 100%             |
| SAU801096     | ABA101766       | 41%      | 97.9%          | 97.9%            |
| SAU801096     | BAN101609       | 50%      | 99.6%          | 99.4%            |
| SAU801096     | BAN103383       | 70%      | 99.6%          | 99.4%            |
| SAU801096     | BFR10034        | 34%      | 95.1%          | 98.4%            |
| SAU801096     | BFR11786        | 37%      | 94.9%          | 98.7%            |
| SAU801096     | BPT100905       | 42%      | 98.1%          | 77.5%            |
| SAU801096     | BCE110691       | 44%      | 97.2%          | 78.5%            |
| SAU801096     | BFU101154       | 43%      | 95.9%          | 94.9%            |
| SAU801096     | BMA108899       | 44%      | 95.9%          | 97.3%            |
| SAU801096     | CPN201018       | 38%      | 97.9%          | 98.3%            |
| SAU801096     | CTR200835       | 38%      | 97.4%          | 97.6%            |
| SAU801096     | CBO103777       | 42%      | 95.3%          | 96.3%            |
| SAU801096     | CBO103904       | 41%      | 95.1%          | 96.5%            |
| SAU801096     | CDF102926       | 39%      | 97.4%          | 97.6%            |
| SAU801096     | CDP100695       | 38%      | 97.4%          | 98.7%            |
| SAU801096     | EBC102751       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | EFA202404       | 64%      | 99.6%          | 99.8%            |
| SAU801096     | EFM201020       | 62%      | 99.6%          | 99.8%            |
| SAU801096     | ECO100116       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | HIN101203       | 44%      | 96.4%          | 94.8%            |
| SAU801096     | KPN301447       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | LPN100879       | 41%      | 96.4%          | 95.6%            |
| SAU801096     | LMO101821       | 71%      | 99.6%          | 99.8%            |
| SAU801096     | MCA101643       | 41%      | 97.9%          | 97.7%            |
| SAU801096     | MAV101768       | 37%      | 97.4%          | 98.7%            |
| SAU801096     | MBV103409       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MLP101416       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MTU200460       | 36%      | 97.4%          | 98.9%            |
| SAU801096     | MGE100277       | 37%      | 97.0%          | 98.9%            |
| SAU801096     | MPN100448       | 39%      | 96.4%          | 98.2%            |
| SAU801096     | NGO100074       | 43%      | 97.0%          | 78.6%            |
| SAU801096     | NME201415       | 43%      | 98.1%          | 79.5%            |
| SAU801096     | PMU100893       | 43%      | 96.4%          | 95.6%            |
| SAU801096     | PRT102281       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | PAE202248       | 42%      | 98.1%          | 98.9%            |
| SAU801096     | PPU100764       | 40%      | 98.1%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801096     | PSY104859       | 40%      | 97.4%          | 97.5%            |
| SAU801096     | SPA100336       | 42%      | 83.1%          | 98.7%            |
| SAU801096     | STY103295       | 44%      | 96.4%          | 95.4%            |
| SAU801096     | STM103004       | 44%      | 96.4%          | 95.6%            |
| SAU801096     | SAU801096       | 100%     | 100%           | 100%             |
| SAU801096     | SEP200806       | 95%      | 100%           | 100%             |
| SAU801096     | SHA100679       | 93%      | 99.6%          | 100%             |
| SAU801096     | SMU100298       | 37%      | 96.4%          | 98.9%            |
| SAU801096     | SPN401048       | 37%      | 97.6%          | 79.5%            |
| SAU801096     | VCH102377       | 43%      | 96.4%          | 95.4%            |
| SAU801096     | YPS000861       | 44%      | 96.4%          | 95.4%            |
| SAU801105     | BAN103936       | 31%      | 94.4%          | 94.9%            |
| SAU801105     | BAN110850       | 38%      | 97.1%          | 99.3%            |
| SAU801105     | BFR103178       | 29%      | 92.9%          | 98.1%            |
| SAU801105     | BCE109436       | 41%      | 94.7%          | 95.4%            |
| SAU801105     | BFU115276       | 45%      | 92%            | 95.5%            |
| SAU801105     | BMA104207       | 41%      | 94.7%          | 95.7%            |
| SAU801105     | CAC103270       | 30%      | 91.8%          | 95.4%            |
| SAU801105     | EBC101317       | 36%      | 92.7%          | 97.3%            |
| SAU801105     | EFA201537       | 49%      | 94.7%          | 83.3%            |
| SAU801105     | EFA202292       | 57%      | 96.9%          | 96.0%            |
| SAU801105     | EFM202118       | 52%      | 61.1%          | 98.6%            |
| SAU801105     | ECO102349       | 35%      | 93.1%          | 96.4%            |
| SAU801105     | KPN301759       | 37%      | 92.7%          | 95.6%            |
| SAU801105     | LPN101696       | 26%      | 34.7%          | 40.5%            |
| SAU801105     | LMO100400       | 53%      | 96.9%          | 95.5%            |
| SAU801105     | MCA102057       | 22%      | 39.6%          | 42.3%            |
| SAU801105     | MCA103694       | 20%      | 56%            | 58.3%            |
| SAU801105     | MAV105572       | 34%      | 90%            | 94.9%            |
| SAU801105     | MBV103100       | 33%      | 39.6%          | 97.0%            |
| SAU801105     | MLP101268       | 32%      | 90.7%          | 91.5%            |
| SAU801105     | MTU200915       | 33%      | 93.6%          | 93.9%            |
| SAU801105     | NGO101522       | 20%      | 71.8%          | 73.4%            |
| SAU801105     | NME201499       | 21%      | 71.8%          | 73.4%            |
| SAU801105     | PMU100681       | 29%      | 26.7%          | 26.8%            |
| SAU801105     | PAE204332       | 46%      | 92.2%          | 97.4%            |
| SAU801105     | PSY105402       | 44%      | 94%            | 94.5%            |
| SAU801105     | SPA103529       | 36%      | 92.2%          | 95.4%            |
| SAU801105     | STY101143       | 35%      | 92.2%          | 95.4%            |
| SAU801105     | SAU801105       | 100%     | 100%           | 100%             |
| SAU801105     | SEP200820       | 84%      | 99.6%          | 100%             |
| SAU801105     | SHA100053       | 78%      | 69.6%          | 100%             |
| SAU801105     | SMU100063       | 53%      | 96%            | 97.8%            |
| SAU801105     | SPN400157       | 20%      | 84.2%          | 88.8%            |
| SAU801105     | SPY102082       | 52%      | 38.7%          | 100%             |
| SAU801105     | YPS000584       | 36%      | 90.9%          | 94.9%            |
| SAU801109     | ABA101290       | 53%      | 97.1%          | 98.7%            |
| SAU801109     | BAN108593       | 70%      | 99.2%          | 100%             |
| SAU801109     | BAN110377       | 74%      | 98.7%          | 99.3%            |
| SAU801109     | BFR12436        | 48%      | 97.6%          | 99.7%            |
| SAU801109     | BPT100252       | 55%      | 97.2%          | 96.1%            |
| SAU801109     | BCE107416       | 53%      | 97.2%          | 98.5%            |
| SAU801109     | BFU101165       | 52%      | 97.4%          | 85.6%            |
| SAU801109     | BMA100582       | 54%      | 97.2%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801109     | CJU100039       | 54%      | 97.6%          | 99.3%            |
| SAU801109     | CAC100624       | 55%      | 97.7%          | 99.2%            |
| SAU801109     | CBO103040       | 55%      | 98.2%          | 99.2%            |
| SAU801109     | CDF100332       | 48%      | 97.2%          | 98.2%            |
| SAU801109     | CDP100988       | 46%      | 98.2%          | 99.1%            |
| SAU801109     | EBC103136       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | EFA200305       | 72%      | 98.4%          | 99.2%            |
| SAU801109     | EFM200826       | 74%      | 86.7%          | 100%             |
| SAU801109     | ECO103777       | 54%      | 95.6%          | 99.5%            |
| SAU801109     | HIN100844       | 53%      | 96.7%          | 96.8%            |
| SAU801109     | HPY100476       | 53%      | 97.6%          | 99.8%            |
| SAU801109     | KPN301352       | 54%      | 98.2%          | 99.5%            |
| SAU801109     | LPN100213       | 53%      | 97.6%          | 98.7%            |
| SAU801109     | LMO100625       | 72%      | 98.5%          | 99.3%            |
| SAU801109     | MCA100597       | 52%      | 98.5%          | 99.7%            |
| SAU801109     | MAV106479       | 44%      | 97.6%          | 99.0%            |
| SAU801109     | MBV101431       | 45%      | 97.6%          | 99.0%            |
| SAU801109     | MLP100924       | 44%      | 97.6%          | 99.0%            |
| SAU801109     | MTU201150       | 45%      | 97.6%          | 99.0%            |
| SAU801109     | NGO100315       | 54%      | 97.9%          | 99.7%            |
| SAU801109     | NME201257       | 54%      | 97.9%          | 99.7%            |
| SAU801109     | PMU101173       | 53%      | 98.4%          | 98.7%            |
| SAU801109     | PRT102826       | 54%      | 97.1%          | 96.3%            |
| SAU801109     | PAE205112       | 54%      | 97.1%          | 98.7%            |
| SAU801109     | PPU101976       | 53%      | 98.0%          | 99.5%            |
| SAU801109     | PSY103102       | 52%      | 97.7%          | 99.2%            |
| SAU801109     | SPA102685       | 48%      | 70.7%          | 98.6%            |
| SAU801109     | STY103413       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | STM101499       | 53%      | 98.2%          | 99.5%            |
| SAU801109     | SAU801109       | 100%     | 100%           | 100%             |
| SAU801109     | SEP200827       | 92%      | 100%           | 100%             |
| SAU801109     | SHA100537       | 93%      | 99.7%          | 99.8%            |
| SAU801109     | SMU100076       | 74%      | 98.9%          | 99.3%            |
| SAU801109     | SPN400598       | 73%      | 98.9%          | 98.4%            |
| SAU801109     | SPY201176       | 73%      | 98.9%          | 99.5%            |
| SAU801109     | VCH102705       | 54%      | 98.7%          | 99.7%            |
| SAU801109     | YPS001324       | 54%      | 97.6%          | 98.8%            |
| SAU801113     | ABA103723       | 30%      | 86.6%          | 81.2%            |
| SAU801113     | BAN104342       | 37%      | 97.6%          | 93.4%            |
| SAU801113     | BAN103666       | 38%      | 99.5%          | 91.4%            |
| SAU801113     | BFR100762       | 27%      | 80.2%          | 71.9%            |
| SAU801113     | BPT103003       | 31%      | 95.2%          | 87.9%            |
| SAU801113     | BCE103498       | 32%      | 95.2%          | 92.6%            |
| SAU801113     | BFU100816       | 32%      | 95.2%          | 81.9%            |
| SAU801113     | BMA109411       | 32%      | 95.2%          | 81.2%            |
| SAU801113     | CJU100966       | 30%      | 90.3%          | 91.7%            |
| SAU801113     | CTR200136       | 29%      | 85.5%          | 76.2%            |
| SAU801113     | CAC100555       | 33%      | 94.4%          | 91.4%            |
| SAU801113     | CBO100202       | 34%      | 94.4%          | 91.1%            |
| SAU801113     | CDF103581       | 34%      | 89.0%          | 85.9%            |
| SAU801113     | EBC102569       | 31%      | 85.8%          | 76.8%            |
| SAU801113     | EFA200310       | 34%      | 91.7%          | 86.6%            |
| SAU801113     | EFM200911       | 35%      | 90.9%          | 87.6%            |
| SAU801113     | ECO100089       | 31%      | 89.3%          | 78.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801113     | HIN101111       | 36%      | 86.6%          | 80.2%            |
| SAU801113     | HPY101537       | 28%      | 88.5%          | 89.7%            |
| SAU801113     | KPN301852       | 31%      | 85.8%          | 75%              |
| SAU801113     | LPN100221       | 36%      | 76.4%          | 94.0%            |
| SAU801113     | LMO101232       | 37%      | 92.8%          | 86.2%            |
| SAU801113     | MCA103455       | 30%      | 95.4%          | 90.8%            |
| SAU801113     | MAV103648       | 30%      | 91.2%          | 54.4%            |
| SAU801113     | MBV100525       | 30%      | 85.8%          | 63.8%            |
| SAU801113     | MLP100568       | 31%      | 91.2%          | 62.2%            |
| SAU801113     | MTU202120       | 30%      | 85.8%          | 59.5%            |
| SAU801113     | NGO100588       | 31%      | 98.4%          | 91.0%            |
| SAU801113     | NME201907       | 31%      | 98.4%          | 88.5%            |
| SAU801113     | PMU100141       | 32%      | 86.6%          | 80.3%            |
| SAU801113     | PRT102637       | 34%      | 79.4%          | 73.6%            |
| SAU801113     | PAE204411       | 32%      | 86.6%          | 79.7%            |
| SAU801113     | PPU112591       | 33%      | 86.6%          | 78.7%            |
| SAU801113     | PSY103847       | 33%      | 76.7%          | 70.3%            |
| SAU801113     | STY103175       | 31%      | 89.0%          | 78.5%            |
| SAU801113     | STM102887       | 31%      | 89.0%          | 78.5%            |
| SAU801113     | SAU801113       | 100%     | 100%           | 100%             |
| SAU801113     | SEP200834       | 76%      | 100%           | 91.4%            |
| SAU801113     | SHA101706       | 67%      | 99.2%          | 98.7%            |
| SAU801113     | SMU101535       | 33%      | 90.6%          | 83.3%            |
| SAU801113     | SPN400973       | 32%      | 89.3%          | 84.6%            |
| SAU801113     | SPY200440       | 32%      | 89.5%          | 81.6%            |
| SAU801113     | TPA100383       | 28%      | 91.2%          | 86.2%            |
| SAU801113     | VCH102367       | 30%      | 98.4%          | 90.7%            |
| SAU801113     | YPS001012       | 32%      | 86.3%          | 78.8%            |
| SAU801114     | BAN108934       | 45%      | 91.4%          | 93.8%            |
| SAU801114     | BAN112613       | 63%      | 99.7%          | 99.7%            |
| SAU801114     | CAC103250       | 54%      | 99.7%          | 99.9%            |
| SAU801114     | CBO103581       | 54%      | 99.7%          | 100%             |
| SAU801114     | CDF100269       | 54%      | 99.4%          | 99.7%            |
| SAU801114     | CDP100823       | 45%      | 99.4%          | 98.7%            |
| SAU801114     | EFA200317       | 58%      | 99.5%          | 99.9%            |
| SAU801114     | EFM202099       | 59%      | 99.3%          | 99.7%            |
| SAU801114     | LMO100679       | 61%      | 99.7%          | 99.9%            |
| SAU801114     | MAV103158       | 45%      | 99.4%          | 99.9%            |
| SAU801114     | MBV103377       | 45%      | 99.1%          | 99.6%            |
| SAU801114     | MTU202929       | 45%      | 99.1%          | 99.6%            |
| SAU801114     | PSY103300       | 37%      | 53.4%          | 99.2%            |
| SAU801114     | SAU801114       | 100%     | 100%           | 100%             |
| SAU801114     | SEP200837       | 89%      | 53.1%          | 100%             |
| SAU801114     | SHA101707       | 87%      | 53.1%          | 100%             |
| SAU801114     | TPA100055       | 32%      | 53.3%          | 99.2%            |
| SAU801131     | BAN104171       | 29%      | 58.6%          | 92.8%            |
| SAU801131     | BAN109296       | 27%      | 75.8%          | 17.5%            |
| SAU801131     | BAN111612       | 29%      | 48.0%          | 34.6%            |
| SAU801131     | BAN104612       | 32%      | 80.6%          | 73.4%            |
| SAU801131     | LMO101229       | 33%      | 89.4%          | 90.8%            |
| SAU801131     | MPN100554       | 21%      | 59.9%          | 34.2%            |
| SAU801131     | SPA106331       | 44%      | 15.9%          | 58.5%            |
| SAU801131     | SAU801131       | 100%     | 100%           | 100%             |
| SAU801132     | BAN101870       | 26%      | 67.3%          | 52.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801132     | BCE107002       | 21%      | 31.8%          | 77.4%            |
| SAU801132     | BMA100184       | 22%      | 30.4%          | 49.3%            |
| SAU801132     | CDF100362       | 23%      | 41.3%          | 40.5%            |
| SAU801132     | EBC105295       | 32%      | 16.5%          | 41.3%            |
| SAU801132     | SAU801132       | 100%     | 100%           | 100%             |
| SAU801134     | BAN105614       | 34%      | 96.7%          | 83.4%            |
| SAU801134     | BAN106021       | 40%      | 98.9%          | 84.7%            |
| SAU801134     | LMO101340       | 45%      | 97.1%          | 82.4%            |
| SAU801134     | MBV103792       | 35%      | 36.3%          | 20.3%            |
| SAU801134     | MTU203401       | 35%      | 36.3%          | 20.3%            |
| SAU801134     | SAU801134       | 100%     | 100%           | 100%             |
| SAU801134     | SPY201382       | 44%      | 97.1%          | 80%              |
| SAU801135     | BAN105520       | 35%      | 98.0%          | 98.4%            |
| SAU801135     | BAN110918       | 42%      | 87.7%          | 98.2%            |
| SAU801135     | BFR104438       | 27%      | 35.2%          | 17.3%            |
| SAU801135     | BBU100793       | 27%      | 32.8%          | 5.8%             |
| SAU801135     | CDF102404       | 29%      | 35.2%          | 96.6%            |
| SAU801135     | CDF100360       | 31%      | 97.5%          | 99.1%            |
| SAU801135     | LMO100254       | 34%      | 98.8%          | 99.2%            |
| SAU801135     | PRT104101       | 25%      | 42.6%          | 41.5%            |
| SAU801135     | SAU801135       | 100%     | 100%           | 100%             |
| SAU801135     | SPY200094       | 33%      | 74.2%          | 76.4%            |
| SAU801138     | ABA102496       | 48%      | 96.0%          | 99.4%            |
| SAU801138     | BAN107250       | 37%      | 96.0%          | 100%             |
| SAU801138     | BAN102079       | 67%      | 96.0%          | 98.3%            |
| SAU801138     | BFR10569        | 47%      | 92.6%          | 95.0%            |
| SAU801138     | BPT100287       | 42%      | 95.7%          | 98.2%            |
| SAU801138     | BBU100512       | 28%      | 85.5%          | 62.1%            |
| SAU801138     | BCE106124       | 42%      | 97.4%          | 96.0%            |
| SAU801138     | BFU115595       | 45%      | 92.0%          | 95.3%            |
| SAU801138     | BMA107718       | 43%      | 95.7%          | 99.1%            |
| SAU801138     | CJU100828       | 42%      | 94.6%          | 99.7%            |
| SAU801138     | CPN200846       | 40%      | 97.4%          | 99.7%            |
| SAU801138     | CTR200219       | 42%      | 97.4%          | 99.7%            |
| SAU801138     | CAC101335       | 51%      | 96.6%          | 99.7%            |
| SAU801138     | CBO103589       | 50%      | 96.6%          | 99.7%            |
| SAU801138     | CDF100403       | 40%      | 47.2%          | 99.4%            |
| SAU801138     | CDF100483       | 63%      | 37.5%          | 99.2%            |
| SAU801138     | CDF100608       | 51%      | 96.6%          | 98.8%            |
| SAU801138     | CDP100986       | 39%      | 95.5%          | 89.7%            |
| SAU801138     | EBC102986       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | EFA201458       | 62%      | 98.6%          | 100%             |
| SAU801138     | EFM202235       | 65%      | 97.7%          | 99.4%            |
| SAU801138     | ECO101682       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | HIN101277       | 46%      | 96.6%          | 99.7%            |
| SAU801138     | HPY100399       | 45%      | 92.6%          | 97.9%            |
| SAU801138     | KPN301693       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | LPN101724       | 50%      | 95.7%          | 98.8%            |
| SAU801138     | LMO102680       | 64%      | 97.4%          | 98.3%            |
| SAU801138     | MCA100196       | 45%      | 96.6%          | 94.2%            |
| SAU801138     | MAV106540       | 43%      | 90.6%          | 90.2%            |
| SAU801138     | MBV103898       | 43%      | 88.9%          | 87.2%            |
| SAU801138     | MLP100869       | 43%      | 89.2%          | 88%              |
| SAU801138     | MTU201628       | 43%      | 88.9%          | 90.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801138     | MGE100196       | 37%      | 85.8%          | 89.7%            |
| SAU801138     | MPN100049       | 37%      | 82.4%          | 85.0%            |
| SAU801138     | NGO101895       | 42%      | 96.6%          | 99.7%            |
| SAU801138     | NME200858       | 42%      | 96.3%          | 99.1%            |
| SAU801138     | PMU100631       | 48%      | 96.6%          | 99.7%            |
| SAU801138     | PRT101305       | 51%      | 96.0%          | 99.1%            |
| SAU801138     | PAE202738       | 52%      | 96.6%          | 99.7%            |
| SAU801138     | PPU103714       | 51%      | 96.6%          | 99.7%            |
| SAU801138     | PSY100067       | 54%      | 82.7%          | 99.7%            |
| SAU801138     | SPA100213       | 49%      | 92.0%          | 98.7%            |
| SAU801138     | STY101116       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | STM103449       | 50%      | 96.0%          | 99.1%            |
| SAU801138     | SAU801138       | 100%     | 100%           | 100%             |
| SAU801138     | SEP200863       | 90%      | 99.7%          | 99.7%            |
| SAU801138     | SHA100441       | 89%      | 99.7%          | 99.7%            |
| SAU801138     | SMU100485       | 62%      | 97.4%          | 99.7%            |
| SAU801138     | SPN400507       | 60%      | 96.9%          | 91.7%            |
| SAU801138     | SPY200564       | 62%      | 97.4%          | 92.8%            |
| SAU801138     | TPA100963       | 29%      | 68.8%          | 47.9%            |
| SAU801138     | UUR100463       | 40%      | 92.9%          | 96.1%            |
| SAU801138     | VCH101200       | 49%      | 96.6%          | 99.7%            |
| SAU801138     | YPS003058       | 49%      | 96.0%          | 99.1%            |
| SAU801139     | ABA102495       | 35%      | 90.6%          | 100%             |
| SAU801139     | BAN109820       | 37%      | 74.2%          | 75.8%            |
| SAU801139     | BAN101919       | 47%      | 100%           | 99.9%            |
| SAU801139     | BFR11118        | 33%      | 100%           | 100%             |
| SAU801139     | BPT100285       | 34%      | 99.1%          | 98.9%            |
| SAU801139     | BBU100513       | 23%      | 36.2%          | 49.3%            |
| SAU801139     | BCE101979       | 33%      | 100%           | 99.9%            |
| SAU801139     | BFU107151       | 31%      | 40.8%          | 93.6%            |
| SAU801139     | BMA101914       | 34%      | 100%           | 99.9%            |
| SAU801139     | CJU100827       | 26%      | 100%           | 100%             |
| SAU801139     | CPN200152       | 29%      | 98.4%          | 97.7%            |
| SAU801139     | CTR200749       | 28%      | 97.9%          | 97.3%            |
| SAU801139     | CAC101148       | 37%      | 98.5%          | 98.4%            |
| SAU801139     | CBO103321       | 38%      | 100%           | 99.9%            |
| SAU801139     | CDF100484       | 45%      | 32.9%          | 100%             |
| SAU801139     | CDF103760       | 38%      | 99.4%          | 99.0%            |
| SAU801139     | CDP100987       | 30%      | 97.9%          | 97.7%            |
| SAU801139     | EBC102988       | 37%      | 72.8%          | 99.7%            |
| SAU801139     | EFA201457       | 45%      | 99.8%          | 99.6%            |
| SAU801139     | EFM200867       | 44%      | 99.2%          | 99.1%            |
| SAU801139     | ECO101681       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | HIN101278       | 36%      | 99.2%          | 98.6%            |
| SAU801139     | HPY100398       | 25%      | 98.6%          | 98.4%            |
| SAU801139     | KPN301695       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | LPN100643       | 34%      | 97.8%          | 97.5%            |
| SAU801139     | LMO101759       | 47%      | 100%           | 100%             |
| SAU801139     | MCA100197       | 33%      | 99.6%          | 99.4%            |
| SAU801139     | MAV106542       | 30%      | 100%           | 99.9%            |
| SAU801139     | MBV101271       | 32%      | 73%            | 90.4%            |
| SAU801139     | MLP100870       | 30%      | 100%           | 99.8%            |
| SAU801139     | MTU201629       | 30%      | 100%           | 99.9%            |
| SAU801139     | MGE100197       | 26%      | 88.4%          | 89.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801139     | MPN100048       | 26%      | 89.6%          | 89.6%            |
| SAU801139     | NGO101903       | 34%      | 100%           | 99.9%            |
| SAU801139     | NME200861       | 34%      | 100%           | 99.9%            |
| SAU801139     | PMU100629       | 35%      | 99%            | 98.7%            |
| SAU801139     | PRT101304       | 36%      | 99%            | 98.7%            |
| SAU801139     | PAE202737       | 35%      | 99.4%          | 99.1%            |
| SAU801139     | PPU103715       | 34%      | 99%            | 98.7%            |
| SAU801139     | PSY100068       | 35%      | 99.4%          | 99.1%            |
| SAU801139     | SPA100516       | 35%      | 78%            | 99.4%            |
| SAU801139     | STY101114       | 36%      | 99.4%          | 99.1%            |
| SAU801139     | STM103450       | 37%      | 99.4%          | 99.1%            |
| SAU801139     | SAU801139       | 100%     | 100%           | 100%             |
| SAU801139     | SEP200864       | 78%      | 100%           | 100%             |
| SAU801139     | SHA100442       | 80%      | 62.4%          | 94.3%            |
| SAU801139     | SMU100476       | 43%      | 5.4%           | 95.7%            |
| SAU801139     | SMU100483       | 44%      | 100%           | 100%             |
| SAU801139     | SPN400509       | 45%      | 99.4%          | 99.2%            |
| SAU801139     | SPY200565       | 44%      | 100%           | 100%             |
| SAU801139     | TPA100014       | 25%      | 35.2%          | 44.9%            |
| SAU801139     | UUR100462       | 24%      | 89.6%          | 90.4%            |
| SAU801139     | VCH101201       | 35%      | 100%           | 99.9%            |
| SAU801139     | YPS003055       | 37%      | 99%            | 98.7%            |
| SAU801144     | BAN110629       | 43%      | 83.2%          | 82.7%            |
| SAU801144     | BAN100015       | 49%      | 100%           | 100%             |
| SAU801144     | BFR11777        | 30%      | 98.6%          | 98.4%            |
| SAU801144     | BBU100098       | 31%      | 86.3%          | 86.4%            |
| SAU801144     | CJU100980       | 23%      | 82.1%          | 84.2%            |
| SAU801144     | CAC102136       | 38%      | 100%           | 100%             |
| SAU801144     | CBO102295       | 40%      | 100%           | 100%             |
| SAU801144     | CDF103406       | 42%      | 100%           | 100%             |
| SAU801144     | EFA202339       | 44%      | 99.5%          | 99.5%            |
| SAU801144     | EFM201371       | 43%      | 100%           | 100%             |
| SAU801144     | HPY100613       | 24%      | 92.1%          | 90.9%            |
| SAU801144     | LMO101164       | 47%      | 100%           | 100%             |
| SAU801144     | SAU801144       | 100%     | 100%           | 100%             |
| SAU801144     | SEP200869       | 84%      | 100%           | 100%             |
| SAU801144     | SHA101143       | 83%      | 77.0%          | 99.8%            |
| SAU801144     | SMU101270       | 40%      | 100%           | 99.0%            |
| SAU801144     | SPN400368       | 38%      | 100%           | 99.9%            |
| SAU801144     | SPY201414       | 40%      | 99.9%          | 99.9%            |
| SAU801151     | ABA103721       | 33%      | 81.2%          | 79.3%            |
| SAU801151     | BAN108866       | 40%      | 93.6%          | 100%             |
| SAU801151     | BAN105656       | 42%      | 98.5%          | 97.4%            |
| SAU801151     | BAN100164       | 45%      | 97.7%          | 93.5%            |
| SAU801151     | BAN103658       | 51%      | 98.5%          | 97.4%            |
| SAU801151     | BFR102236       | 34%      | 98.1%          | 96.1%            |
| SAU801151     | BPT101248       | 23%      | 49.6%          | 54.9%            |
| SAU801151     | BBU100100       | 23%      | 87.6%          | 87.4%            |
| SAU801151     | BCE107277       | 33%      | 73.7%          | 92.8%            |
| SAU801151     | BFU109172       | 29%      | 90.6%          | 93.8%            |
| SAU801151     | BMA106607       | 30%      | 98.5%          | 90.3%            |
| SAU801151     | CJU101558       | 34%      | 94.4%          | 98%              |
| SAU801151     | CAC101362       | 37%      | 72.6%          | 75%              |
| SAU801151     | CBO102188       | 33%      | 83.5%          | 84.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801151     | CDF101024       | 39%      | 98.9%          | 98.1%            |
| SAU801151     | CDP101353       | 44%      | 98.5%          | 98.5%            |
| SAU801151     | EBC101695       | 32%      | 84.2%          | 86.5%            |
| SAU801151     | EFA201433       | 50%      | 94.4%          | 91.3%            |
| SAU801151     | EFM201002       | 49%      | 98.9%          | 95.3%            |
| SAU801151     | ECO103873       | 31%      | 80.1%          | 74.0%            |
| SAU801151     | HIN101705       | 29%      | 82.0%          | 81.0%            |
| SAU801151     | HPY100542       | 35%      | 94.4%          | 99.2%            |
| SAU801151     | KPN308897       | 31%      | 77.1%          | 85.1%            |
| SAU801151     | LPN100405       | 42%      | 85.7%          | 81.0%            |
| SAU801151     | LMO101688       | 50%      | 99.2%          | 99.2%            |
| SAU801151     | MCA100045       | 30%      | 81.2%          | 76.8%            |
| SAU801151     | MAV103533       | 40%      | 95.9%          | 93.8%            |
| SAU801151     | MBV101876       | 40%      | 94.0%          | 91.9%            |
| SAU801151     | MLP100726       | 40%      | 95.9%          | 93.4%            |
| SAU801151     | MTU201321       | 40%      | 94.0%          | 91.9%            |
| SAU801151     | NGO101679       | 36%      | 98.5%          | 97.0%            |
| SAU801151     | NME201872       | 37%      | 98.5%          | 97.0%            |
| SAU801151     | PMU100917       | 30%      | 82.7%          | 83.3%            |
| SAU801151     | PRT105607       | 32%      | 82.0%          | 76.4%            |
| SAU801151     | PAE204659       | 35%      | 81.2%          | 81.1%            |
| SAU801151     | PPU109719       | 33%      | 98.1%          | 97.7%            |
| SAU801151     | PSY106535       | 35%      | 96.2%          | 92.4%            |
| SAU801151     | SPA103848       | 25%      | 30.5%          | 66.9%            |
| SAU801151     | STY102718       | 31%      | 84.2%          | 86.5%            |
| SAU801151     | STM102035       | 31%      | 84.2%          | 79.5%            |
| SAU801151     | SAU801151       | 100%     | 100%           | 100%             |
| SAU801151     | SEP200875       | 86%      | 100%           | 99.6%            |
| SAU801151     | SHA100464       | 82%      | 100%           | 100%             |
| SAU801151     | SMU100491       | 42%      | 98.9%          | 99.2%            |
| SAU801151     | SPN401694       | 45%      | 98.9%          | 99.2%            |
| SAU801151     | SPY200261       | 43%      | 98.5%          | 98.9%            |
| SAU801151     | TPA100402       | 24%      | 75.2%          | 75%              |
| SAU801151     | VCH100156       | 30%      | 88.7%          | 86.8%            |
| SAU801151     | YPS001748       | 30%      | 80.5%          | 74.9%            |
| SAU801152     | ABA101490       | 43%      | 95.9%          | 94.2%            |
| SAU801152     | BAN102272       | 53%      | 53.8%          | 29.6%            |
| SAU801152     | BAN103467       | 53%      | 53.8%          | 29.8%            |
| SAU801152     | BFR100882       | 42%      | 96.4%          | 97.4%            |
| SAU801152     | BPT102669       | 41%      | 93.3%          | 80.7%            |
| SAU801152     | BBU100246       | 37%      | 96.9%          | 96.5%            |
| SAU801152     | BCE101174       | 43%      | 53.8%          | 30.6%            |
| SAU801152     | BFU112825       | 42%      | 98.5%          | 93.4%            |
| SAU801152     | BMA101121       | 41%      | 95.4%          | 91.4%            |
| SAU801152     | CJU101298       | 38%      | 96.4%          | 97%              |
| SAU801152     | CPN201078       | 36%      | 96.4%          | 94.2%            |
| SAU801152     | CTR200884       | 38%      | 96.4%          | 92.8%            |
| SAU801152     | CAC102793       | 46%      | 94.9%          | 94.5%            |
| SAU801152     | CBO101239       | 45%      | 96.9%          | 97.5%            |
| SAU801152     | CDF103949       | 41%      | 94.4%          | 42.1%            |
| SAU801152     | CDP101347       | 33%      | 96.9%          | 97.1%            |
| SAU801152     | EBC103395       | 44%      | 94.9%          | 96.4%            |
| SAU801152     | EFA204162       | 30%      | 92.3%          | 92.4%            |
| SAU801152     | EFA201431       | 48%      | 94.9%          | 41.9%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801152     | EFM201013       | 55%      | 53.3%          | 29.4%            |
| SAU801152     | ECO102889       | 43%      | 94.9%          | 96.4%            |
| SAU801152     | HIN100246       | 41%      | 96.4%          | 99.0%            |
| SAU801152     | KPN300507       | 52%      | 27.2%          | 82.8%            |
| SAU801152     | KPN302113       | 46%      | 94.9%          | 96.4%            |
| SAU801152     | LPN101495       | 44%      | 96.9%          | 99.0%            |
| SAU801152     | LMO101778       | 47%      | 95.4%          | 93.6%            |
| SAU801152     | MCA101652       | 45%      | 93.3%          | 93.6%            |
| SAU801152     | MAV103539       | 38%      | 97.4%          | 96.6%            |
| SAU801152     | MBV101882       | 37%      | 93.8%          | 92.6%            |
| SAU801152     | MLP100729       | 35%      | 95.9%          | 89.1%            |
| SAU801152     | MTU201324       | 37%      | 93.8%          | 92.6%            |
| SAU801152     | NGO100831       | 41%      | 92.8%          | 93.0%            |
| SAU801152     | NME200785       | 41%      | 92.8%          | 93.0%            |
| SAU801152     | PMU101666       | 42%      | 96.4%          | 96.5%            |
| SAU801152     | PRT105468       | 42%      | 94.9%          | 96.4%            |
| SAU801152     | PAE200386       | 40%      | 95.4%          | 95.9%            |
| SAU801152     | PPU102088       | 41%      | 94.9%          | 94.9%            |
| SAU801152     | PSY103557       | 40%      | 95.4%          | 95.5%            |
| SAU801152     | SPA102538       | 45%      | 94.9%          | 97.4%            |
| SAU801152     | STY104601       | 45%      | 94.9%          | 96.4%            |
| SAU801152     | STM100605       | 46%      | 94.9%          | 96.4%            |
| SAU801152     | SAU801152       | 100%     | 100%           | 100%             |
| SAU801152     | SEP200876       | 72%      | 100%           | 100%             |
| SAU801152     | SHA100465       | 70%      | 99.0%          | 100%             |
| SAU801152     | SMU100489       | 41%      | 97.9%          | 60.3%            |
| SAU801152     | SPN401693       | 42%      | 94.9%          | 56.8%            |
| SAU801152     | SPY200262       | 41%      | 93.3%          | 57.0%            |
| SAU801152     | TPA100434       | 39%      | 89.7%          | 65.8%            |
| SAU801152     | VCH100451       | 44%      | 99.0%          | 99%              |
| SAU801152     | YPS000246       | 48%      | 94.9%          | 96.4%            |
| SAU801170     | BMA101214       | 41%      | 98.7%          | 95.2%            |
| SAU801170     | EBC101762       | 45%      | 98.4%          | 97.2%            |
| SAU801170     | EFA201006       | 51%      | 99.4%          | 99.4%            |
| SAU801170     | EFA201632       | 52%      | 99.0%          | 97.8%            |
| SAU801170     | ECO102810       | 53%      | 98.7%          | 98.4%            |
| SAU801170     | HIN100574       | 41%      | 99.4%          | 96.8%            |
| SAU801170     | MPN100529       | 45%      | 100%           | 100%             |
| SAU801170     | PAE205168       | 41%      | 98.1%          | 95.8%            |
| SAU801170     | PPU103958       | 42%      | 98.1%          | 95.8%            |
| SAU801170     | STY103966       | 44%      | 98.7%          | 95.5%            |
| SAU801170     | SAU801170       | 100%     | 100%           | 100%             |
| SAU801170     | SEP202230       | 89%      | 100%           | 100%             |
| SAU801170     | SHA100424       | 68%      | 54.8%          | 99.4%            |
| SAU801170     | SPN401955       | 49%      | 99.4%          | 98.4%            |
| SAU801179     | ABA100924       | 43%      | 99.0%          | 98.0%            |
| SAU801179     | BAN107720       | 43%      | 99.0%          | 100%             |
| SAU801179     | BAN107471       | 64%      | 99.0%          | 99.4%            |
| SAU801179     | BFR10235        | 40%      | 98.4%          | 97.0%            |
| SAU801179     | BPT103017       | 39%      | 92.9%          | 78.3%            |
| SAU801179     | BBU100305       | 32%      | 98.7%          | 98.0%            |
| SAU801179     | BCE109760       | 40%      | 97.1%          | 98.7%            |
| SAU801179     | BFU100821       | 39%      | 98.1%          | 95.6%            |
| SAU801179     | BMA103495       | 41%      | 98.7%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801179     | CJU100643       | 38%      | 97.1%          | 94.9%            |
| SAU801179     | CPN200328       | 33%      | 98.1%          | 97.0%            |
| SAU801179     | CTR200537       | 32%      | 98.1%          | 95.4%            |
| SAU801179     | CAC101664       | 53%      | 98.7%          | 98.1%            |
| SAU801179     | CBO100001       | 53%      | 98.1%          | 95.6%            |
| SAU801179     | CDF103476       | 49%      | 98.7%          | 96.5%            |
| SAU801179     | CDP101284       | 38%      | 93.2%          | 88.2%            |
| SAU801179     | EBC101940       | 41%      | 87.1%          | 83.2%            |
| SAU801179     | EFA202184       | 63%      | 99.7%          | 96.9%            |
| SAU801179     | EFM200229       | 64%      | 99.7%          | 97.5%            |
| SAU801179     | ECO100082       | 41%      | 98.7%          | 97.4%            |
| SAU801179     | HIN101104       | 41%      | 98.1%          | 96.0%            |
| SAU801179     | HPY100698       | 38%      | 97.4%          | 96.1%            |
| SAU801179     | KPN301853       | 37%      | 98.7%          | 88.2%            |
| SAU801179     | LPN101684       | 43%      | 99.7%          | 99.7%            |
| SAU801179     | LMO102721       | 67%      | 99.0%          | 98.7%            |
| SAU801179     | MCA100816       | 40%      | 98.4%          | 92.2%            |
| SAU801179     | MAV103917       | 40%      | 98.7%          | 96.0%            |
| SAU801179     | MBV101484       | 43%      | 92.0%          | 87.5%            |
| SAU801179     | MLP100561       | 41%      | 92.6%          | 77.7%            |
| SAU801179     | MTU202131       | 40%      | 98.7%          | 79.8%            |
| SAU801179     | MGE100227       | 34%      | 98.1%          | 97.1%            |
| SAU801179     | MPN100521       | 37%      | 98.1%          | 97.4%            |
| SAU801179     | NGO100619       | 43%      | 98.7%          | 95.6%            |
| SAU801179     | NME201916       | 43%      | 98.7%          | 92.7%            |
| SAU801179     | PMU100134       | 43%      | 98.7%          | 96.6%            |
| SAU801179     | PRT102632       | 42%      | 98.7%          | 97.1%            |
| SAU801179     | PAE204418       | 42%      | 99.7%          | 98.7%            |
| SAU801179     | PPU105960       | 40%      | 99.7%          | 98.1%            |
| SAU801179     | PSY103858       | 42%      | 99.7%          | 98.7%            |
| SAU801179     | SPA102751       | 38%      | 98.7%          | 97.4%            |
| SAU801179     | STY103148       | 39%      | 98.7%          | 97.4%            |
| SAU801179     | STM102860       | 39%      | 98.7%          | 97.4%            |
| SAU801179     | SAU801179       | 100%     | 100%           | 100%             |
| SAU801179     | SEP200893       | 89%      | 100%           | 100%             |
| SAU801179     | SHA101308       | 91%      | 100%           | 100%             |
| SAU801179     | SMU101437       | 56%      | 99.7%          | 98.4%            |
| SAU801179     | SPN400302       | 59%      | 98.1%          | 96.8%            |
| SAU801179     | SPY201283       | 57%      | 99.7%          | 92.3%            |
| SAU801179     | TPA100380       | 30%      | 68.2%          | 59.1%            |
| SAU801179     | UUR100389       | 48%      | 97.1%          | 96.4%            |
| SAU801179     | VCH102374       | 38%      | 99.4%          | 98.7%            |
| SAU801179     | YPS000988       | 41%      | 98.7%          | 95.3%            |
| SAU801180     | BAN113715       | 43%      | 43.6%          | 81.7%            |
| SAU801180     | BAN110605       | 34%      | 78.2%          | 90.8%            |
| SAU801180     | EFA202182       | 24%      | 80.5%          | 79.3%            |
| SAU801180     | EFM201482       | 23%      | 94.7%          | 100%             |
| SAU801180     | LMO102397       | 32%      | 75.2%          | 80.8%            |
| SAU801180     | SAU801180       | 100%     | 100%           | 100%             |
| SAU801180     | SEP200895       | 84%      | 100%           | 100%             |
| SAU801180     | SHA101309       | 73%      | 100%           | 100%             |
| SAU801180     | SMU101439       | 27%      | 69.2%          | 86.0%            |
| SAU801180     | SPN400303       | 16%      | 64.7%          | 81.9%            |
| SAU801180     | SPY201282       | 25%      | 69.2%          | 86.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801181     | ABA105255       | 26%      | 77.3%          | 93.3%            |
| SAU801181     | BAN113613       | 30%      | 9.5%           | 91.8%            |
| SAU801181     | BAN105395       | 35%      | 43.0%          | 95.3%            |
| SAU801181     | BAN105591       | 28%      | 92.1%          | 95.1%            |
| SAU801181     | BAN110033       | 36%      | 95.3%          | 97.9%            |
| SAU801181     | BAN112091       | 35%      | 94.6%          | 97.8%            |
| SAU801181     | BFR101372       | 24%      | 93.7%          | 99.0%            |
| SAU801181     | BPT103014       | 29%      | 65.5%          | 79.4%            |
| SAU801181     | BBU100135       | 25%      | 83.3%          | 95.2%            |
| SAU801181     | BCE112144       | 27%      | 76.7%          | 87.3%            |
| SAU801181     | BFU100822       | 27%      | 76.7%          | 86.6%            |
| SAU801181     | BMA103887       | 27%      | 78.1%          | 90.6%            |
| SAU801181     | CPN200330       | 26%      | 40.6%          | 51.6%            |
| SAU801181     | CTR200535       | 25%      | 59.5%          | 68.9%            |
| SAU801181     | CAC102451       | 27%      | 80.1%          | 99.7%            |
| SAU801181     | CAC102718       | 28%      | 93.3%          | 96.4%            |
| SAU801181     | CBO100210       | 28%      | 95.2%          | 98.3%            |
| SAU801181     | CDF104232       | 29%      | 86.8%          | 98.6%            |
| SAU801181     | CDP101283       | 25%      | 71.0%          | 91.5%            |
| SAU801181     | EBC102574       | 26%      | 76.7%          | 94.7%            |
| SAU801181     | EFA202180       | 33%      | 93.4%          | 95.8%            |
| SAU801181     | EFM201754       | 33%      | 93.8%          | 96.3%            |
| SAU801181     | ECO100084       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | HIN101106       | 26%      | 76.6%          | 87.0%            |
| SAU801181     | HPY101533       | 22%      | 75.8%          | 92.0%            |
| SAU801181     | KPN301849       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | LPN102605       | 27%      | 65.5%          | 85.4%            |
| SAU801181     | LMO101211       | 37%      | 98.0%          | 97.7%            |
| SAU801181     | MCA100818       | 24%      | 77.4%          | 90.6%            |
| SAU801181     | MAV104019       | 25%      | 72.3%          | 82.2%            |
| SAU801181     | MBV101482       | 24%      | 76.5%          | 89.3%            |
| SAU801181     | MLP100563       | 25%      | 74.3%          | 84.7%            |
| SAU801181     | MTU202129       | 24%      | 76.5%          | 84.8%            |
| SAU801181     | NGO102402       | 27%      | 79.8%          | 97.7%            |
| SAU801181     | NME201914       | 27%      | 79.8%          | 96.0%            |
| SAU801181     | PMU100136       | 27%      | 73.3%          | 85.2%            |
| SAU801181     | PRT102628       | 26%      | 81.6%          | 98.8%            |
| SAU801181     | PAE202270       | 27%      | 72.0%          | 88.8%            |
| SAU801181     | PPU111736       | 26%      | 76.7%          | 92.8%            |
| SAU801181     | PSY103856       | 25%      | 76.7%          | 93.8%            |
| SAU801181     | SPA102753       | 25%      | 76.7%          | 92.1%            |
| SAU801181     | STY101764       | 27%      | 75.3%          | 90.7%            |
| SAU801181     | STM102862       | 26%      | 76.7%          | 91.5%            |
| SAU801181     | SAU801181       | 100%     | 100%           | 100%             |
| SAU801181     | SEP200896       | 80%      | 100%           | 95.9%            |
| SAU801181     | SHA101310       | 78%      | 95.0%          | 100%             |
| SAU801181     | SMU101453       | 32%      | 94.1%          | 96.5%            |
| SAU801181     | SPN400304       | 32%      | 93.8%          | 96.4%            |
| SAU801181     | SPY201281       | 30%      | 95.0%          | 96.8%            |
| SAU801181     | TPA100752       | 23%      | 84.5%          | 92.2%            |
| SAU801181     | VCH102372       | 25%      | 77.0%          | 94.3%            |
| SAU801181     | YPS000992       | 25%      | 76.7%          | 91.7%            |
| SAU801182     | ABA100933       | 39%      | 96.6%          | 90.3%            |
| SAU801182     | BAN106826       | 44%      | 98.8%          | 98.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801182     | BAN112016       | 54%      | 99.4%          | 97.8%            |
| SAU801182     | BFR103500       | 32%      | 88.5%          | 81.0%            |
| SAU801182     | BPT103007       | 39%      | 96.0%          | 90.2%            |
| SAU801182     | BBU100302       | 37%      | 96.6%          | 92.3%            |
| SAU801182     | BCE112929       | 44%      | 55.1%          | 93.0%            |
| SAU801182     | BFU100825       | 38%      | 96.6%          | 90.7%            |
| SAU801182     | BMA100546       | 41%      | 96.6%          | 90.7%            |
| SAU801182     | CJU100401       | 44%      | 96.3%          | 91.2%            |
| SAU801182     | CPN200949       | 34%      | 96.6%          | 92.3%            |
| SAU801182     | CTR200133       | 36%      | 96.6%          | 94.9%            |
| SAU801182     | CAC103184       | 45%      | 97.5%          | 97.5%            |
| SAU801182     | CBO103583       | 44%      | 97.2%          | 97.5%            |
| SAU801182     | CBO100702       | 50%      | 96.9%          | 97.2%            |
| SAU801182     | CDF103820       | 41%      | 96.9%          | 93.3%            |
| SAU801182     | CDP101276       | 38%      | 97.8%          | 95.4%            |
| SAU801182     | EBC102571       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | EFA202177       | 51%      | 98.8%          | 97.8%            |
| SAU801182     | EFM200138       | 51%      | 99.1%          | 99.4%            |
| SAU801182     | ECO100087       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | HIN101109       | 41%      | 96.6%          | 90%              |
| SAU801182     | HPY100488       | 38%      | 96.3%          | 90.7%            |
| SAU801182     | KPN301856       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | LPN102792       | 42%      | 67.3%          | 97.5%            |
| SAU801182     | LMO102708       | 53%      | 96.9%          | 95.7%            |
| SAU801182     | MCA100821       | 38%      | 96.9%          | 93.2%            |
| SAU801182     | MAV103996       | 36%      | 98.1%          | 95.5%            |
| SAU801182     | MLP100566       | 37%      | 98.1%          | 95.5%            |
| SAU801182     | MTU202122       | 36%      | 98.1%          | 95.5%            |
| SAU801182     | NGO100597       | 41%      | 96.9%          | 90.6%            |
| SAU801182     | NME201910       | 42%      | 96.9%          | 90.6%            |
| SAU801182     | PMU100139       | 41%      | 96.6%          | 90%              |
| SAU801182     | PRT102641       | 44%      | 96.6%          | 90%              |
| SAU801182     | PAE204413       | 43%      | 96.6%          | 90%              |
| SAU801182     | PPU105952       | 43%      | 96.6%          | 90%              |
| SAU801182     | PSY103851       | 43%      | 96.6%          | 90%              |
| SAU801182     | SPA102756       | 41%      | 97.5%          | 92.9%            |
| SAU801182     | STY103173       | 41%      | 97.5%          | 90.8%            |
| SAU801182     | STM102884       | 42%      | 97.5%          | 90.8%            |
| SAU801182     | SAU801182       | 100%     | 100%           | 100%             |
| SAU801182     | SEP200897       | 87%      | 100%           | 100%             |
| SAU801182     | SHA101311       | 87%      | 100%           | 100%             |
| SAU801182     | SMU101454       | 40%      | 98.1%          | 97.3%            |
| SAU801182     | SPN400305       | 44%      | 97.5%          | 97.9%            |
| SAU801182     | SPY201280       | 40%      | 99.1%          | 98.2%            |
| SAU801182     | TPA100341       | 26%      | 84.4%          | 78.0%            |
| SAU801182     | VCH102369       | 42%      | 97.5%          | 90.8%            |
| SAU801182     | YPS000995       | 44%      | 97.5%          | 90.8%            |
| SAU801183     | ABA105049       | 29%      | 95.1%          | 96.4%            |
| SAU801183     | BAN101698       | 42%      | 96.4%          | 99.1%            |
| SAU801183     | BAN100427       | 50%      | 98.0%          | 98.7%            |
| SAU801183     | BFR11370        | 36%      | 95.5%          | 98.2%            |
| SAU801183     | BPT103005       | 27%      | 96.2%          | 95.5%            |
| SAU801183     | BBU100584       | 28%      | 96.2%          | 97.1%            |
| SAU801183     | BFU100814       | 26%      | 95.1%          | 94.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801183     | BMA102821       | 25%      | 95.1%          | 96.8%            |
| SAU801183     | CJU100400       | 25%      | 81.7%          | 84.6%            |
| SAU801183     | CPN200948       | 26%      | 95.5%          | 96.9%            |
| SAU801183     | CTR200134       | 27%      | 95.5%          | 92.8%            |
| SAU801183     | CAC103488       | 33%      | 96.7%          | 96.3%            |
| SAU801183     | CBO101756       | 33%      | 96.2%          | 96.1%            |
| SAU801183     | CDF104583       | 38%      | 96.2%          | 97.8%            |
| SAU801183     | CDP101273       | 27%      | 96.9%          | 94.8%            |
| SAU801183     | EBC102570       | 30%      | 97.6%          | 98.2%            |
| SAU801183     | EFA202176       | 50%      | 98.0%          | 97.8%            |
| SAU801183     | EFM201395       | 51%      | 96.4%          | 97.1%            |
| SAU801183     | ECO100088       | 31%      | 97.6%          | 98.2%            |
| SAU801183     | HIN101110       | 31%      | 96.0%          | 97.3%            |
| SAU801183     | HPY100489       | 26%      | 82.2%          | 85.8%            |
| SAU801183     | KPN300285       | 27%      | 19.2%          | 55.1%            |
| SAU801183     | KPN302061       | 27%      | 19.2%          | 26.5%            |
| SAU801183     | KPN300322       | 34%      | 37.9%          | 86.7%            |
| SAU801183     | KPN301854       | 31%      | 97.6%          | 98.2%            |
| SAU801183     | LPN102050       | 31%      | 93.3%          | 100%             |
| SAU801183     | LMO100907       | 48%      | 96.2%          | 95.8%            |
| SAU801183     | MCA103645       | 30%      | 97.8%          | 99.6%            |
| SAU801183     | MAV103995       | 30%      | 44.1%          | 76.8%            |
| SAU801183     | MBV100523       | 25%      | 96.4%          | 95.9%            |
| SAU801183     | MLP100567       | 25%      | 96.4%          | 97.3%            |
| SAU801183     | MTU202121       | 26%      | 96.4%          | 97.3%            |
| SAU801183     | NGO100590       | 30%      | 97.3%          | 99.1%            |
| SAU801183     | NME201908       | 30%      | 97.3%          | 99.1%            |
| SAU801183     | PMU100140       | 31%      | 96.7%          | 97.9%            |
| SAU801183     | PRT102639       | 32%      | 97.6%          | 98.2%            |
| SAU801183     | PAE204412       | 28%      | 94.9%          | 96.0%            |
| SAU801183     | PPU105951       | 29%      | 95.3%          | 96%              |
| SAU801183     | PSY103849       | 30%      | 80.8%          | 93.1%            |
| SAU801183     | SPA102757       | 28%      | 57.0%          | 71.5%            |
| SAU801183     | STY103174       | 29%      | 96.0%          | 97.3%            |
| SAU801183     | STM102886       | 29%      | 96.0%          | 97.3%            |
| SAU801183     | SAU801183       | 100%     | 100%           | 100%             |
| SAU801183     | SEP200898       | 89%      | 100%           | 100%             |
| SAU801183     | SHA101312       | 86%      | 59.9%          | 100%             |
| SAU801183     | SMU100079       | 47%      | 98.9%          | 99.1%            |
| SAU801183     | SPN400603       | 46%      | 96.4%          | 96.9%            |
| SAU801183     | SPY201174       | 47%      | 97.6%          | 97.6%            |
| SAU801183     | TPA100893       | 22%      | 97.3%          | 97.9%            |
| SAU801183     | VCH102368       | 28%      | 97.1%          | 92.5%            |
| SAU801183     | YPS001010       | 30%      | 97.6%          | 98.2%            |
| SAU801184     | BAN105429       | 30%      | 53.3%          | 89.3%            |
| SAU801184     | BAN113055       | 30%      | 56.3%          | 91.7%            |
| SAU801184     | BBU100300       | 25%      | 31.0%          | 56.3%            |
| SAU801184     | BMA101206       | 20%      | 24.4%          | 14.4%            |
| SAU801184     | CAC103429       | 21%      | 52.6%          | 94.8%            |
| SAU801184     | CBO101421       | 23%      | 55.8%          | 95.3%            |
| SAU801184     | CDF104368       | 28%      | 42.6%          | 81.3%            |
| SAU801184     | EFA202172       | 26%      | 76.8%          | 90.6%            |
| SAU801184     | EFM200367       | 26%      | 83.8%          | 89.2%            |
| SAU801184     | LMO101774       | 29%      | 60.8%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801184     | NGO100580       | 21%      | 56.7%          | 96.7%            |
| SAU801184     | NME201903       | 21%      | 54.9%          | 96.7%            |
| SAU801184     | SAU801184       | 100%     | 100%           | 100%             |
| SAU801184     | SEP200899       | 51%      | 99.8%          | 96.1%            |
| SAU801184     | SHA100844       | 47%      | 83.8%          | 99.5%            |
| SAU801184     | SMU100083       | 21%      | 68.3%          | 84.0%            |
| SAU801184     | SPN400605       | 21%      | 97.7%          | 99.2%            |
| SAU801184     | SPY201172       | 23%      | 72.0%          | 86.1%            |
| SAU801184     | TPA100384       | 27%      | 23.7%          | 39.1%            |
| SAU801185     | ABA100623       | 24%      | 73.0%          | 82.1%            |
| SAU801185     | BAN111291       | 37%      | 77.4%          | 85.1%            |
| SAU801185     | BAN101900       | 37%      | 77.4%          | 84.3%            |
| SAU801185     | BFR102146       | 23%      | 98.9%          | 97.7%            |
| SAU801185     | BPT102984       | 28%      | 77.2%          | 90.4%            |
| SAU801185     | BBU100299       | 26%      | 77.9%          | 90.8%            |
| SAU801185     | BCE109663       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | BFU100407       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | BMA104126       | 28%      | 76.6%          | 89.3%            |
| SAU801185     | CJU100645       | 24%      | 88.1%          | 92.2%            |
| SAU801185     | CAC100288       | 22%      | 91.1%          | 98.1%            |
| SAU801185     | CBO102974       | 24%      | 85.5%          | 94.1%            |
| SAU801185     | EBC101798       | 25%      | 76.6%          | 89.2%            |
| SAU801185     | EFA202170       | 30%      | 78.7%          | 84.3%            |
| SAU801185     | EFM201888       | 29%      | 95.5%          | 96.8%            |
| SAU801185     | ECO100094       | 24%      | 76.6%          | 88.8%            |
| SAU801185     | HIN101116       | 28%      | 77.9%          | 89.4%            |
| SAU801185     | HPY100962       | 23%      | 76.6%          | 80.5%            |
| SAU801185     | KPN300531       | 25%      | 41.3%          | 84.9%            |
| SAU801185     | LPN103001       | 28%      | 71.3%          | 81.6%            |
| SAU801185     | LMO101001       | 34%      | 79.6%          | 88.0%            |
| SAU801185     | MCA100438       | 24%      | 72.3%          | 79.4%            |
| SAU801185     | NGO100578       | 28%      | 78.3%          | 90.6%            |
| SAU801185     | NME201902       | 28%      | 78.3%          | 90.6%            |
| SAU801185     | PMU100146       | 26%      | 77.9%          | 89.4%            |
| SAU801185     | PRT102629       | 25%      | 73.0%          | 84.0%            |
| SAU801185     | PAE204406       | 28%      | 76.6%          | 87.8%            |
| SAU801185     | PPU111774       | 26%      | 76.8%          | 89.1%            |
| SAU801185     | PSY103837       | 26%      | 76.6%          | 89.3%            |
| SAU801185     | SPA101844       | 25%      | 76.6%          | 88.7%            |
| SAU801185     | STY103209       | 25%      | 76.6%          | 88.8%            |
| SAU801185     | STM102892       | 25%      | 76.6%          | 88.8%            |
| SAU801185     | SAU801185       | 100%     | 100%           | 100%             |
| SAU801185     | SEP200915       | 86%      | 100%           | 100%             |
| SAU801185     | SHA100845       | 78%      | 100%           | 100%             |
| SAU801185     | SMU100084       | 30%      | 93.4%          | 95.8%            |
| SAU801185     | SPN401510       | 34%      | 77.0%          | 79.2%            |
| SAU801185     | SPY201171       | 30%      | 85.5%          | 91.2%            |
| SAU801185     | TPA100385       | 24%      | 76.6%          | 90.3%            |
| SAU801185     | VCH102363       | 25%      | 77.9%          | 90.2%            |
| SAU801185     | YPS001022       | 26%      | 76.6%          | 89.2%            |
| SAU801186     | ABA100622       | 48%      | 96.2%          | 96.4%            |
| SAU801186     | BAN103024       | 66%      | 98.2%          | 100%             |
| SAU801186     | BAN112439       | 68%      | 98.2%          | 100%             |
| SAU801186     | BFR12421        | 47%      | 77.4%          | 69.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801186     | BPT102981       | 41%      | 99.7%          | 94.7%            |
| SAU801186     | BBU100298       | 52%      | 95.4%          | 92.8%            |
| SAU801186     | BCE103310       | 54%      | 70%            | 94.1%            |
| SAU801186     | BFU100408       | 53%      | 77.2%          | 75.1%            |
| SAU801186     | BMA104500       | 44%      | 94.6%          | 96.5%            |
| SAU801186     | CJU100646       | 48%      | 81.0%          | 85.7%            |
| SAU801186     | CAC100838       | 59%      | 98.5%          | 99.7%            |
| SAU801186     | CBO103263       | 59%      | 97.9%          | 100%             |
| SAU801186     | CDF102447       | 57%      | 97.4%          | 97.5%            |
| SAU801186     | CDP101254       | 53%      | 97.9%          | 92.5%            |
| SAU801186     | EBC101797       | 57%      | 38.2%          | 91.4%            |
| SAU801186     | EFA202168       | 69%      | 80.3%          | 76.3%            |
| SAU801186     | EFM200220       | 68%      | 80.3%          | 75.8%            |
| SAU801186     | ECO100095       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | HIN101117       | 46%      | 78.5%          | 78.1%            |
| SAU801186     | HPY100963       | 39%      | 95.1%          | 93.0%            |
| SAU801186     | KPN300530       | 58%      | 38.5%          | 93.8%            |
| SAU801186     | LPN100473       | 51%      | 7.9%           | 76.9%            |
| SAU801186     | LMO101235       | 68%      | 98.2%          | 99.7%            |
| SAU801186     | MCA101528       | 50%      | 79.7%          | 87.1%            |
| SAU801186     | MAV103265       | 55%      | 94.9%          | 98.2%            |
| SAU801186     | MBV100533       | 54%      | 94.9%          | 98.4%            |
| SAU801186     | MLP100572       | 53%      | 94.9%          | 98.4%            |
| SAU801186     | MTU202116       | 54%      | 94.9%          | 98.4%            |
| SAU801186     | MGE100229       | 28%      | 73.6%          | 81.6%            |
| SAU801186     | MPN100519       | 30%      | 54.4%          | 54.7%            |
| SAU801186     | NGO100577       | 53%      | 78.7%          | 79.1%            |
| SAU801186     | NME201901       | 50%      | 85.9%          | 84.2%            |
| SAU801186     | PMU100147       | 46%      | 81.0%          | 78.1%            |
| SAU801186     | PRT102627       | 56%      | 44.1%          | 92.0%            |
| SAU801186     | PAE204405       | 45%      | 97.9%          | 100%             |
| SAU801186     | PPU105993       | 52%      | 80.5%          | 79.1%            |
| SAU801186     | PSY103835       | 52%      | 81.5%          | 80.8%            |
| SAU801186     | SPA100031       | 45%      | 49.5%          | 74.3%            |
| SAU801186     | STY103211       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | STM102893       | 52%      | 79.0%          | 81.2%            |
| SAU801186     | SAU801186       | 100%     | 100%           | 100%             |
| SAU801186     | SEP200917       | 92%      | 100%           | 100%             |
| SAU801186     | SHA100846       | 92%      | 100%           | 100%             |
| SAU801186     | SMU100085       | 64%      | 77.7%          | 69.8%            |
| SAU801186     | SPN401509       | 65%      | 77.7%          | 72.3%            |
| SAU801186     | SPY201170       | 65%      | 77.7%          | 69.0%            |
| SAU801186     | TPA100386       | 48%      | 94.6%          | 95.0%            |
| SAU801186     | VCH102362       | 52%      | 78.7%          | 77.4%            |
| SAU801186     | YPS001023       | 45%      | 95.1%          | 97.4%            |
| SAU801188     | ABA100699       | 33%      | 99.1%          | 96.5%            |
| SAU801188     | BAN102298       | 60%      | 86.6%          | 97%              |
| SAU801188     | BAN105813       | 55%      | 99.1%          | 99.6%            |
| SAU801188     | BFR10478        | 35%      | 99.1%          | 98.6%            |
| SAU801188     | BPT100358       | 38%      | 86.2%          | 73.1%            |
| SAU801188     | BCE102004       | 36%      | 87.5%          | 85.8%            |
| SAU801188     | BFU102631       | 35%      | 97.8%          | 96.1%            |
| SAU801188     | CJU100669       | 30%      | 85.3%          | 91.0%            |
| SAU801188     | CAC102293       | 35%      | 93.8%          | 95.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801188     | CBO100252       | 32%      | 99.1%          | 97.3%            |
| SAU801188     | CDF104041       | 44%      | 98.2%          | 94.9%            |
| SAU801188     | CDP100613       | 40%      | 85.3%          | 85.1%            |
| SAU801188     | EBC103402       | 31%      | 99.1%          | 97.4%            |
| SAU801188     | EFA202166       | 49%      | 96.9%          | 97.8%            |
| SAU801188     | EFM200029       | 45%      | 98.7%          | 99.6%            |
| SAU801188     | ECO102886       | 31%      | 99.1%          | 97.0%            |
| SAU801188     | HIN100089       | 30%      | 98.7%          | 95.8%            |
| SAU801188     | HPY100391       | 32%      | 86.6%          | 86.9%            |
| SAU801188     | KPN302105       | 33%      | 99.1%          | 97.4%            |
| SAU801188     | LPN100888       | 34%      | 100%           | 98.3%            |
| SAU801188     | LMO101181       | 49%      | 99.6%          | 98.3%            |
| SAU801188     | MCA100523       | 27%      | 97.3%          | 91.5%            |
| SAU801188     | MAV103261       | 27%      | 66.1%          | 59.0%            |
| SAU801188     | MBV100535       | 26%      | 86.2%          | 79.5%            |
| SAU801188     | MLP100574       | 31%      | 66.1%          | 59.2%            |
| SAU801188     | MTU202114       | 26%      | 86.2%          | 81.4%            |
| SAU801188     | NGO101964       | 33%      | 87.1%          | 86.4%            |
| SAU801188     | NME200206       | 34%      | 87.1%          | 86.4%            |
| SAU801188     | PMU100112       | 31%      | 100%           | 98.7%            |
| SAU801188     | PRT105809       | 30%      | 99.1%          | 97.0%            |
| SAU801188     | PAE200393       | 34%      | 99.1%          | 96.1%            |
| SAU801188     | PPU102082       | 35%      | 98.2%          | 96.1%            |
| SAU801188     | PSY103724       | 36%      | 87.5%          | 85.1%            |
| SAU801188     | SPA102546       | 30%      | 89.7%          | 91.8%            |
| SAU801188     | STY104582       | 31%      | 99.1%          | 94.0%            |
| SAU801188     | STM100599       | 31%      | 99.1%          | 94.0%            |
| SAU801188     | SAU801188       | 100%     | 100%           | 100%             |
| SAU801188     | SEP200921       | 74%      | 99.1%          | 100%             |
| SAU801188     | SHA100042       | 66%      | 42.9%          | 100%             |
| SAU801188     | SMU100094       | 47%      | 96.9%          | 98.2%            |
| SAU801188     | SPN401508       | 47%      | 96.9%          | 98.2%            |
| SAU801188     | SPY201169       | 51%      | 87.5%          | 88.3%            |
| SAU801188     | VCH100456       | 33%      | 99.1%          | 96.6%            |
| SAU801188     | YPS000235       | 28%      | 97.8%          | 95.7%            |
| SAU801189     | BAN107825       | 43%      | 66.3%          | 84.2%            |
| SAU801189     | BAN111609       | 43%      | 66.3%          | 82.1%            |
| SAU801189     | CAC101019       | 26%      | 60.4%          | 72.0%            |
| SAU801189     | CBO102919       | 29%      | 67.4%          | 78.7%            |
| SAU801189     | CDF103744       | 31%      | 62.6%          | 71.1%            |
| SAU801189     | CDP101251       | 26%      | 38.0%          | 47.7%            |
| SAU801189     | EFA205207       | 33%      | 94.7%          | 95.8%            |
| SAU801189     | EFM202104       | 31%      | 87.7%          | 88.9%            |
| SAU801189     | LMO100809       | 43%      | 94.7%          | 96.7%            |
| SAU801189     | MAV103259       | 25%      | 55.1%          | 49.5%            |
| SAU801189     | MBV100536       | 24%      | 58.3%          | 46.5%            |
| SAU801189     | MLP100575       | 25%      | 55.1%          | 50.5%            |
| SAU801189     | MTU202113       | 24%      | 58.3%          | 46.5%            |
| SAU801189     | SAU801189       | 100%     | 100%           | 100%             |
| SAU801189     | SEP200923       | 71%      | 98.4%          | 100%             |
| SAU801189     | SHA100165       | 64%      | 97.9%          | 97.5%            |
| SAU801189     | SMU100097       | 29%      | 89.8%          | 88.0%            |
| SAU801189     | SPN401507       | 22%      | 89.8%          | 85.5%            |
| SAU801189     | SPY201168       | 28%      | 76.5%          | 63.8%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801192     | BAN105377       | 36%      | 78.5%          | 95.8%            |
| SAU801192     | BAN104329       | 36%      | 78.5%          | 95.8%            |
| SAU801192     | CAC103030       | 27%      | 98.5%          | 95.6%            |
| SAU801192     | CBO103567       | 25%      | 76.1%          | 70.3%            |
| SAU801192     | CDF101598       | 26%      | 78.5%          | 98.9%            |
| SAU801192     | EFA202162       | 27%      | 100%           | 93.6%            |
| SAU801192     | EFM200763       | 26%      | 92.7%          | 93.6%            |
| SAU801192     | LMO101008       | 42%      | 78.5%          | 92%              |
| SAU801192     | MAV103271       | 25%      | 69.8%          | 90%              |
| SAU801192     | MBV100524       | 25%      | 69.8%          | 90%              |
| SAU801192     | MTU202111       | 25%      | 69.8%          | 90%              |
| SAU801192     | SAU801192       | 100%     | 100%           | 100%             |
| SAU801192     | SEP200927       | 77%      | 98.5%          | 94.0%            |
| SAU801192     | SHA101033       | 70%      | 99.0%          | 89.6%            |
| SAU801192     | SMU100106       | 31%      | 74.1%          | 60.1%            |
| SAU801192     | SPN401504       | 31%      | 74.1%          | 61.3%            |
| SAU801192     | SPY201165       | 27%      | 95.6%          | 83.7%            |
| SAU801192     | UUR100397       | 33%      | 31.2%          | 77.8%            |
| SAU801193     | ABA103852       | 41%      | 99.0%          | 98.5%            |
| SAU801193     | BAN106248       | 53%      | 97.1%          | 100%             |
| SAU801193     | BAN106209       | 62%      | 87.2%          | 99.4%            |
| SAU801193     | BFR10500        | 26%      | 84.1%          | 80.7%            |
| SAU801193     | BPT100432       | 40%      | 99.1%          | 98.5%            |
| SAU801193     | BBU100832       | 27%      | 94.8%          | 81.7%            |
| SAU801193     | BCE111670       | 40%      | 93.5%          | 94.2%            |
| SAU801193     | BFU101230       | 41%      | 97.9%          | 96.4%            |
| SAU801193     | BMA102496       | 35%      | 99.5%          | 95.1%            |
| SAU801193     | BMA109115       | 40%      | 97.9%          | 96.4%            |
| SAU801193     | CJU100989       | 38%      | 99.9%          | 99.8%            |
| SAU801193     | CPN200653       | 28%      | 90.8%          | 80.3%            |
| SAU801193     | CTR200283       | 30%      | 85.9%          | 76.6%            |
| SAU801193     | CAC102765       | 32%      | 84.3%          | 75.2%            |
| SAU801193     | CBO100873       | 33%      | 55.7%          | 96.6%            |
| SAU801193     | CDF104554       | 32%      | 85.2%          | 76.0%            |
| SAU801193     | CDP101247       | 29%      | 88.0%          | 77.9%            |
| SAU801193     | EBC102151       | 41%      | 98.9%          | 100%             |
| SAU801193     | EFA202160       | 61%      | 99.7%          | 98.7%            |
| SAU801193     | EFM201425       | 60%      | 99.7%          | 98.5%            |
| SAU801193     | ECO100026       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | HPY101401       | 37%      | 99.6%          | 99.6%            |
| SAU801193     | KPN300290       | 52%      | 4.8%           | 100%             |
| SAU801193     | KPN306610       | 42%      | 97.5%          | 98.5%            |
| SAU801193     | LPN101832       | 44%      | 99.0%          | 98.3%            |
| SAU801193     | LMO101679       | 61%      | 99.6%          | 99.3%            |
| SAU801193     | MCA103671       | 39%      | 4.4%           | 19.2%            |
| SAU801193     | MAV103388       | 28%      | 92.6%          | 81.0%            |
| SAU801193     | MBV102555       | 28%      | 83.5%          | 75.3%            |
| SAU801193     | MLP100743       | 26%      | 93.3%          | 83.8%            |
| SAU801193     | MTU201515       | 28%      | 83.5%          | 75.3%            |
| SAU801193     | MGE100354       | 37%      | 99.5%          | 99.9%            |
| SAU801193     | MPN100322       | 38%      | 90.6%          | 96.1%            |
| SAU801193     | NGO101799       | 42%      | 99.5%          | 99.0%            |
| SAU801193     | NME200578       | 42%      | 99.5%          | 98.7%            |
| SAU801193     | PMU101662       | 43%      | 99.6%          | 98.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801193     | PRT101657       | 43%      | 99.0%          | 98.3%            |
| SAU801193     | PAE204558       | 41%      | 99.0%          | 98.3%            |
| SAU801193     | PPU109898       | 41%      | 99.0%          | 98.3%            |
| SAU801193     | PSY102684       | 41%      | 97.5%          | 98.5%            |
| SAU801193     | SPA100667       | 41%      | 82.4%          | 97.7%            |
| SAU801193     | STY101103       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | STM100818       | 42%      | 99.0%          | 98.3%            |
| SAU801193     | SAU801193       | 100%     | 100%           | 100%             |
| SAU801193     | SEP200928       | 88%      | 100%           | 99.7%            |
| SAU801193     | SHA101034       | 88%      | 99.5%          | 100%             |
| SAU801193     | SMU100109       | 55%      | 99.8%          | 98.6%            |
| SAU801193     | SPN401501       | 54%      | 99.7%          | 98.5%            |
| SAU801193     | SPY201164       | 56%      | 96.8%          | 95.5%            |
| SAU801193     | TPA100448       | 25%      | 95.0%          | 83.2%            |
| SAU801193     | UUR100414       | 41%      | 99.6%          | 99.8%            |
| SAU801193     | VCH100669       | 43%      | 99.0%          | 98.3%            |
| SAU801193     | YPS000810       | 43%      | 99.0%          | 98.3%            |
| SAU801201     | ABA104096       | 29%      | 96.5%          | 98.1%            |
| SAU801201     | BAN105008       | 50%      | 98.8%          | 100%             |
| SAU801201     | BAN109895       | 63%      | 98.8%          | 97.9%            |
| SAU801201     | BFR103702       | 27%      | 98.1%          | 91.5%            |
| SAU801201     | BPT102422       | 26%      | 89.6%          | 98.2%            |
| SAU801201     | BCE103736       | 32%      | 98.6%          | 98.6%            |
| SAU801201     | BFU104929       | 32%      | 96.5%          | 96.0%            |
| SAU801201     | BMA105735       | 32%      | 98.6%          | 98.6%            |
| SAU801201     | CJU101120       | 26%      | 89.9%          | 91.8%            |
| SAU801201     | CAC103721       | 40%      | 99.3%          | 99.5%            |
| SAU801201     | CBO101305       | 31%      | 97.6%          | 97.2%            |
| SAU801201     | CDF100578       | 42%      | 99.1%          | 99.5%            |
| SAU801201     | CDP100341       | 37%      | 98.1%          | 92.9%            |
| SAU801201     | EBC104972       | 38%      | 11.1%          | 9.6%             |
| SAU801201     | EFA201088       | 56%      | 97.6%          | 97.2%            |
| SAU801201     | EFM200431       | 59%      | 98.8%          | 98.6%            |
| SAU801201     | ECO100503       | 29%      | 98.8%          | 94.7%            |
| SAU801201     | HPY100262       | 23%      | 98.6%          | 97.4%            |
| SAU801201     | KPN307585       | 38%      | 13.7%          | 12.3%            |
| SAU801201     | LPN103194       | 34%      | 13.9%          | 15.3%            |
| SAU801201     | LMO102149       | 64%      | 99.8%          | 99.5%            |
| SAU801201     | MCA100879       | 28%      | 90.1%          | 94.2%            |
| SAU801201     | MAV103353       | 37%      | 95.8%          | 95.3%            |
| SAU801201     | MBV100044       | 34%      | 71.5%          | 96.8%            |
| SAU801201     | MLP100325       | 37%      | 97.2%          | 96.7%            |
| SAU801201     | MTU201364       | 38%      | 95.8%          | 95.3%            |
| SAU801201     | NGO100980       | 31%      | 26.4%          | 32.3%            |
| SAU801201     | NME200819       | 27%      | 67.5%          | 79.4%            |
| SAU801201     | PAE200400       | 32%      | 96.0%          | 95.7%            |
| SAU801201     | PPU109222       | 33%      | 95.8%          | 95.5%            |
| SAU801201     | PSY103720       | 32%      | 95.5%          | 95.3%            |
| SAU801201     | SPA103882       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | STY100935       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | STM100648       | 30%      | 98.8%          | 94.7%            |
| SAU801201     | SAU801201       | 100%     | 100%           | 100%             |
| SAU801201     | SEP201466       | 78%      | 100%           | 100%             |
| SAU801201     | SHA102128       | 83%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801201     | SMU101043       | 41%      | 99.3%          | 99.8%            |
| SAU801201     | SPN401053       | 42%      | 99.3%          | 99.8%            |
| SAU801201     | SPY200678       | 42%      | 99.1%          | 99.5%            |
| SAU801201     | VCH103644       | 24%      | 65.6%          | 74.6%            |
| SAU801205     | ABA100625       | 27%      | 80.8%          | 80.6%            |
| SAU801205     | BAN108573       | 50%      | 98.0%          | 99.0%            |
| SAU801205     | BAN110842       | 60%      | 100%           | 96.7%            |
| SAU801205     | BFR12198        | 48%      | 97.5%          | 93.4%            |
| SAU801205     | BCE100693       | 33%      | 92.1%          | 72.5%            |
| SAU801205     | BFU101074       | 32%      | 87.2%          | 78.9%            |
| SAU801205     | BMA106142       | 38%      | 57.6%          | 91.5%            |
| SAU801205     | BMA105198       | 32%      | 92.1%          | 83.3%            |
| SAU801205     | CJU100206       | 24%      | 73.4%          | 76.7%            |
| SAU801205     | CPN200137       | 24%      | 82.3%          | 79.0%            |
| SAU801205     | CAC100649       | 31%      | 41.4%          | 41.1%            |
| SAU801205     | CDP101383       | 34%      | 66.5%          | 76.3%            |
| SAU801205     | EBC103731       | 26%      | 41.4%          | 41.8%            |
| SAU801205     | EFA201101       | 60%      | 98.0%          | 94.8%            |
| SAU801205     | EFM202393       | 57%      | 97.0%          | 94.3%            |
| SAU801205     | ECO103564       | 28%      | 41.4%          | 41.8%            |
| SAU801205     | HPY101240       | 24%      | 73.4%          | 77.1%            |
| SAU801205     | KPN204506       | 28%      | 41.4%          | 41.8%            |
| SAU801205     | LPN102097       | 26%      | 66.5%          | 67.6%            |
| SAU801205     | LMO102924       | 59%      | 98.0%          | 95.2%            |
| SAU801205     | MCA101253       | 26%      | 77.3%          | 87.1%            |
| SAU801205     | MAV102308       | 36%      | 62.1%          | 69.2%            |
| SAU801205     | MBV100426       | 34%      | 62.1%          | 70.4%            |
| SAU801205     | MLP101478       | 30%      | 77.8%          | 88.3%            |
| SAU801205     | MTU200381       | 34%      | 62.1%          | 70.4%            |
| SAU801205     | PMU101877       | 27%      | 41.4%          | 41.6%            |
| SAU801205     | PRT105176       | 31%      | 44.8%          | 44.4%            |
| SAU801205     | PAE205326       | 31%      | 41.4%          | 41.8%            |
| SAU801205     | SPA102548       | 27%      | 41.4%          | 41.8%            |
| SAU801205     | STY104543       | 27%      | 41.4%          | 41.8%            |
| SAU801205     | SAU801205       | 100%     | 100%           | 100%             |
| SAU801205     | SEP201475       | 81%      | 100%           | 100%             |
| SAU801205     | SHA102132       | 83%      | 99.5%          | 100%             |
| SAU801205     | SMU101057       | 56%      | 99.0%          | 96.2%            |
| SAU801205     | SPN400614       | 56%      | 99.0%          | 95.7%            |
| SAU801205     | SPY200673       | 55%      | 99.0%          | 96.2%            |
| SAU801205     | VCH100209       | 30%      | 41.4%          | 41.6%            |
| SAU801205     | YPS001414       | 27%      | 41.4%          | 41.4%            |
| SAU801208     | BAN107106       | 41%      | 99.6%          | 100%             |
| SAU801208     | BAN106675       | 46%      | 99.6%          | 99.8%            |
| SAU801208     | BBU100346       | 29%      | 18.4%          | 4.6%             |
| SAU801208     | CJU101273       | 27%      | 9.2%           | 35.6%            |
| SAU801208     | CAC101472       | 38%      | 98.1%          | 99.1%            |
| SAU801208     | CBO100220       | 37%      | 98.1%          | 98.6%            |
| SAU801208     | CDF100071       | 37%      | 35.9%          | 97.7%            |
| SAU801208     | CDF102341       | 38%      | 99.6%          | 99.3%            |
| SAU801208     | EFA200648       | 40%      | 99.8%          | 98.9%            |
| SAU801208     | EFM200633       | 39%      | 99.8%          | 99.6%            |
| SAU801208     | ECO203135       | 25%      | 15.6%          | 27.8%            |
| SAU801208     | HPY101372       | 24%      | 51.9%          | 63.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801208     | LMO100988       | 42%      | 99.6%          | 99.8%            |
| SAU801208     | MAV104086       | 25%      | 18.1%          | 27.2%            |
| SAU801208     | PMU101771       | 26%      | 19.5%          | 30.8%            |
| SAU801208     | SAU801208       | 100%     | 100%           | 100%             |
| SAU801208     | SEP201479       | 82%      | 99.8%          | 99.8%            |
| SAU801208     | SHA102135       | 81%      | 99.6%          | 99.6%            |
| SAU801208     | SMU100348       | 40%      | 99.6%          | 99.8%            |
| SAU801208     | SPN400868       | 39%      | 99.8%          | 98.2%            |
| SAU801208     | SPY200766       | 40%      | 99.6%          | 99.6%            |
| SAU801220     | BAN103092       | 26%      | 38.9%          | 98.9%            |
| SAU801220     | BAN112197       | 26%      | 99.5%          | 99.7%            |
| SAU801220     | BAN100271       | 34%      | 99.5%          | 99.4%            |
| SAU801220     | BFR100304       | 33%      | 33.6%          | 84.4%            |
| SAU801220     | BCE114461       | 33%      | 32.1%          | 62.7%            |
| SAU801220     | BFU114300       | 30%      | 31.3%          | 31.3%            |
| SAU801220     | BMA103072       | 32%      | 39.5%          | 96.8%            |
| SAU801220     | CPN200667       | 31%      | 39.8%          | 31.1%            |
| SAU801220     | CTR200567       | 27%      | 39.2%          | 31.2%            |
| SAU801220     | CAC102901       | 33%      | 86.6%          | 87.8%            |
| SAU801220     | CBO101331       | 33%      | 93.5%          | 93.2%            |
| SAU801220     | CDF103395       | 33%      | 66.3%          | 80.7%            |
| SAU801220     | CDP101333       | 29%      | 80.3%          | 90.8%            |
| SAU801220     | EBC104702       | 35%      | 22.9%          | 9.6%             |
| SAU801220     | EFA201561       | 35%      | 70.3%          | 92.2%            |
| SAU801220     | EFM201980       | 38%      | 66.6%          | 92.9%            |
| SAU801220     | ECO201271       | 26%      | 38.0%          | 72.1%            |
| SAU801220     | KPN303489       | 27%      | 39.2%          | 53.4%            |
| SAU801220     | LPN102115       | 24%      | 28.5%          | 18.7%            |
| SAU801220     | LMO100883       | 37%      | 99.5%          | 99.5%            |
| SAU801220     | MAV103512       | 31%      | 86.3%          | 88.5%            |
| SAU801220     | MBV103463       | 37%      | 9.3%           | 89.9%            |
| SAU801220     | MBV106232       | 30%      | 69.4%          | 92.0%            |
| SAU801220     | MLP100014       | 31%      | 69.4%          | 92.0%            |
| SAU801220     | MTU200014       | 30%      | 69.4%          | 92.0%            |
| SAU801220     | MGE100111       | 29%      | 37.2%          | 79.6%            |
| SAU801220     | MPN100584       | 28%      | 42.3%          | 84.6%            |
| SAU801220     | PAE200074       | 31%      | 46.5%          | 28.0%            |
| SAU801220     | PPU101810       | 29%      | 30.7%          | 33.1%            |
| SAU801220     | PSY105556       | 30%      | 33.3%          | 56.9%            |
| SAU801220     | STY104340       | 28%      | 38.4%          | 75.1%            |
| SAU801220     | SAU801220       | 100%     | 100%           | 100%             |
| SAU801220     | SEP201501       | 67%      | 99.7%          | 99.8%            |
| SAU801220     | SHA102145       | 59%      | 99.5%          | 100%             |
| SAU801220     | SMU101509       | 31%      | 88.7%          | 97.1%            |
| SAU801220     | SPN401575       | 34%      | 92.8%          | 71.6%            |
| SAU801220     | SPY201251       | 33%      | 85.4%          | 89.4%            |
| SAU801220     | TPA100304       | 21%      | 17.3%          | 33.9%            |
| SAU801220     | UUR100217       | 27%      | 42.6%          | 84.2%            |
| SAU801230     | ABA100558       | 42%      | 96.1%          | 90.5%            |
| SAU801230     | BAN107404       | 34%      | 97.4%          | 96.9%            |
| SAU801230     | BAN106364       | 46%      | 98.1%          | 96.8%            |
| SAU801230     | BFR11476        | 42%      | 94.5%          | 99.0%            |
| SAU801230     | BPT102620       | 40%      | 93.5%          | 92.9%            |
| SAU801230     | BCE103323       | 39%      | 95.1%          | 91.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801230     | BFU100683       | 39%      | 95.1%          | 94.5%            |
| SAU801230     | BMA100069       | 40%      | 95.1%          | 94.8%            |
| SAU801230     | CJU100105       | 37%      | 91.6%          | 92.2%            |
| SAU801230     | CPN200455       | 36%      | 96.8%          | 96.4%            |
| SAU801230     | CTR200502       | 37%      | 98.7%          | 98.4%            |
| SAU801230     | CAC103563       | 44%      | 97.7%          | 98.4%            |
| SAU801230     | CBO101300       | 43%      | 97.7%          | 95.0%            |
| SAU801230     | CDF101771       | 44%      | 99.4%          | 96.8%            |
| SAU801230     | EBC100252       | 43%      | 66.6%          | 85.4%            |
| SAU801230     | EFA200242       | 39%      | 95.5%          | 94.8%            |
| SAU801230     | EFM200686       | 39%      | 95.5%          | 95.7%            |
| SAU801230     | ECO101065       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | HIN100149       | 39%      | 99.0%          | 97.8%            |
| SAU801230     | HPY100088       | 30%      | 98.1%          | 96.1%            |
| SAU801230     | KPN300448       | 42%      | 48.7%          | 87.6%            |
| SAU801230     | KPN300815       | 39%      | 92.9%          | 93.5%            |
| SAU801230     | LPN103175       | 37%      | 95.8%          | 94.6%            |
| SAU801230     | LMO101375       | 48%      | 98.1%          | 97.1%            |
| SAU801230     | MCA100612       | 35%      | 97.1%          | 96.6%            |
| SAU801230     | MAV102169       | 32%      | 96.1%          | 28.5%            |
| SAU801230     | MBV105147       | 34%      | 92.5%          | 15.6%            |
| SAU801230     | MLP100101       | 34%      | 92.5%          | 13.4%            |
| SAU801230     | MTU202908       | 34%      | 92.5%          | 17.4%            |
| SAU801230     | NGO101393       | 38%      | 92.2%          | 92.5%            |
| SAU801230     | NME200497       | 37%      | 98.1%          | 98.4%            |
| SAU801230     | PMU101915       | 38%      | 99.4%          | 99.0%            |
| SAU801230     | PRT100032       | 36%      | 100%           | 100%             |
| SAU801230     | PAE202966       | 38%      | 95.8%          | 95.2%            |
| SAU801230     | PPU104834       | 41%      | 96.4%          | 82.1%            |
| SAU801230     | PSY101698       | 38%      | 95.1%          | 94.6%            |
| SAU801230     | SPA100960       | 39%      | 92.9%          | 93.2%            |
| SAU801230     | STY102531       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | STM102720       | 40%      | 92.9%          | 93.2%            |
| SAU801230     | SAU801230       | 100%     | 100%           | 100%             |
| SAU801230     | SEP201521       | 78%      | 99.7%          | 98.4%            |
| SAU801230     | SHA101737       | 80%      | 100%           | 98.7%            |
| SAU801230     | SMU100543       | 42%      | 99.7%          | 100%             |
| SAU801230     | SPN400380       | 40%      | 96.1%          | 96.4%            |
| SAU801230     | SPY201349       | 39%      | 98.1%          | 96.5%            |
| SAU801230     | VCH101992       | 39%      | 98.1%          | 98.4%            |
| SAU801230     | YPS003126       | 39%      | 92.9%          | 93.2%            |
| SAU801231     | ABA100557       | 50%      | 98.4%          | 97.5%            |
| SAU801231     | BAN107352       | 49%      | 96.7%          | 96.8%            |
| SAU801231     | BAN101218       | 64%      | 98.4%          | 98.4%            |
| SAU801231     | BFR10719        | 52%      | 98.4%          | 97.6%            |
| SAU801231     | BPT102619       | 53%      | 98.4%          | 95.6%            |
| SAU801231     | BCE112767       | 56%      | 97.6%          | 96.0%            |
| SAU801231     | BFU100684       | 56%      | 97.6%          | 96.0%            |
| SAU801231     | BMA106290       | 55%      | 97.6%          | 96.0%            |
| SAU801231     | CJU100403       | 46%      | 98.4%          | 98.0%            |
| SAU801231     | CPN200456       | 43%      | 97.6%          | 96.4%            |
| SAU801231     | CTR200501       | 47%      | 98.4%          | 97.6%            |
| SAU801231     | CAC102747       | 32%      | 99.2%          | 91.6%            |
| SAU801231     | CAC100570       | 55%      | 98.4%          | 97.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801231     | CBO102327       | 55%      | 97.6%          | 95.2%            |
| SAU801231     | CDF101772       | 56%      | 97.6%          | 96.4%            |
| SAU801231     | CDP101282       | 34%      | 72.8%          | 62.8%            |
| SAU801231     | EBC100251       | 62%      | 66.7%          | 99.4%            |
| SAU801231     | EFA200243       | 51%      | 100%           | 99.2%            |
| SAU801231     | EFM201914       | 52%      | 98.4%          | 97.1%            |
| SAU801231     | ECO101066       | 55%      | 98.4%          | 97.5%            |
| SAU801231     | HIN100148       | 52%      | 98.4%          | 98.3%            |
| SAU801231     | HPY100554       | 43%      | 98.4%          | 98.0%            |
| SAU801231     | KPN300814       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | LPN103118       | 51%      | 98.4%          | 97.2%            |
| SAU801231     | LMO102009       | 62%      | 98.4%          | 98.0%            |
| SAU801231     | MCA101812       | 48%      | 82.9%          | 93.1%            |
| SAU801231     | MAV103538       | 40%      | 98.4%          | 90.2%            |
| SAU801231     | MBV105473       | 41%      | 98.4%          | 97.2%            |
| SAU801231     | MLP101100       | 45%      | 99.2%          | 91.7%            |
| SAU801231     | MTU201333       | 41%      | 98.4%          | 97.2%            |
| SAU801231     | NGO101381       | 54%      | 98.4%          | 96.4%            |
| SAU801231     | NME200494       | 55%      | 98.4%          | 96.4%            |
| SAU801231     | PMU101916       | 52%      | 98.0%          | 97.9%            |
| SAU801231     | PRT100071       | 55%      | 98.4%          | 97.5%            |
| SAU801231     | PAE202965       | 51%      | 98.4%          | 97.6%            |
| SAU801231     | PPU101751       | 52%      | 98.4%          | 98.0%            |
| SAU801231     | PSY108154       | 50%      | 98.4%          | 97.6%            |
| SAU801231     | SPA100959       | 53%      | 98.4%          | 97.5%            |
| SAU801231     | STY102532       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | STM102721       | 54%      | 98.4%          | 97.5%            |
| SAU801231     | SAU801231       | 100%     | 100%           | 100%             |
| SAU801231     | SEP200094       | 37%      | 99.2%          | 99.6%            |
| SAU801231     | SEP201523       | 92%      | 99.2%          | 100%             |
| SAU801231     | SHA101738       | 90%      | 98.4%          | 98.8%            |
| SAU801231     | SMU100541       | 46%      | 98.4%          | 97.5%            |
| SAU801231     | SPN400381       | 47%      | 98.4%          | 97.9%            |
| SAU801231     | SPY201348       | 47%      | 98.4%          | 97.5%            |
| SAU801231     | VCH101991       | 54%      | 98.4%          | 96.0%            |
| SAU801231     | YPS003130       | 54%      | 98.4%          | 97.5%            |
| SAU801232     | ABA100149       | 53%      | 55.8%          | 87.8%            |
| SAU801232     | BAN107311       | 67%      | 90.9%          | 87.5%            |
| SAU801232     | BFR100793       | 62%      | 93.5%          | 92.3%            |
| SAU801232     | BPT104633       | 60%      | 96.1%          | 94.9%            |
| SAU801232     | BBU100703       | 49%      | 92.2%          | 88.8%            |
| SAU801232     | BCE109854       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | BFU104450       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | BMA104399       | 58%      | 92.2%          | 91.1%            |
| SAU801232     | CJU100409       | 48%      | 100%           | 100%             |
| SAU801232     | CPN200457       | 54%      | 88.3%          | 86.1%            |
| SAU801232     | CTR200500       | 54%      | 88.3%          | 88.3%            |
| SAU801232     | CAC100280       | 61%      | 92.2%          | 92.2%            |
| SAU801232     | CBO102204       | 59%      | 92.2%          | 68.3%            |
| SAU801232     | CDF104494       | 52%      | 92.2%          | 95.9%            |
| SAU801232     | CDF102560       | 58%      | 89.6%          | 93.3%            |
| SAU801232     | CDP102441       | 36%      | 81.8%          | 65.3%            |
| SAU801232     | EBC107855       | 25%      | 93.5%          | 86.7%            |
| SAU801232     | EFA204896       | 56%      | 94.8%          | 92.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801232     | EFM201177       | 66%      | 62.3%          | 92.3%            |
| SAU801232     | ECO101067       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | HIN100147       | 58%      | 90.9%          | 92.1%            |
| SAU801232     | HPY100946       | 52%      | 90.9%          | 45.1%            |
| SAU801232     | HPY100552       | 56%      | 93.5%          | 92.3%            |
| SAU801232     | KPN301296       | 62%      | 89.6%          | 88.5%            |
| SAU801232     | LPN100598       | 58%      | 90.9%          | 85.4%            |
| SAU801232     | LMO102315       | 71%      | 94.8%          | 94.8%            |
| SAU801232     | MCA100571       | 48%      | 88.3%          | 87.2%            |
| SAU801232     | MAV103068       | 40%      | 92.2%          | 61.7%            |
| SAU801232     | MBV100652       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MLP101007       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MTU202210       | 39%      | 92.2%          | 61.7%            |
| SAU801232     | MGE100293       | 29%      | 90.9%          | 83.3%            |
| SAU801232     | MPN100432       | 28%      | 58.4%          | 53.6%            |
| SAU801232     | NGO100692       | 57%      | 96.1%          | 96.2%            |
| SAU801232     | NME200041       | 56%      | 96.1%          | 96.2%            |
| SAU801232     | PMU101917       | 60%      | 90.9%          | 92.1%            |
| SAU801232     | PRT100070       | 67%      | 75.3%          | 90.6%            |
| SAU801232     | PAE202964       | 60%      | 88.3%          | 87.2%            |
| SAU801232     | PPU104838       | 58%      | 90.9%          | 89.7%            |
| SAU801232     | PSY106594       | 60%      | 90.9%          | 89.7%            |
| SAU801232     | SPA100630       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | STY107110       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | STM102722       | 63%      | 89.6%          | 88.5%            |
| SAU801232     | SAU801232       | 100%     | 100%           | 100%             |
| SAU801232     | SEP201525       | 98%      | 100%           | 100%             |
| SAU801232     | SHA101739       | 98%      | 100%           | 100%             |
| SAU801232     | SMU100547       | 45%      | 100%           | 100%             |
| SAU801232     | SPN400038       | 52%      | 92.2%          | 90.9%            |
| SAU801232     | SPY201351       | 44%      | 100%           | 100%             |
| SAU801232     | TPA100800       | 46%      | 94.8%          | 93.6%            |
| SAU801232     | UUR100511       | 27%      | 92.2%          | 94.8%            |
| SAU801232     | VCH101990       | 61%      | 90.9%          | 63.6%            |
| SAU801232     | YPS004652       | 65%      | 90.9%          | 89.7%            |
| SAU801234     | ABA100578       | 28%      | 98.8%          | 98.8%            |
| SAU801234     | BAN103630       | 32%      | 99.1%          | 99.5%            |
| SAU801234     | BAN104397       | 40%      | 99.6%          | 99.7%            |
| SAU801234     | BFR101153       | 20%      | 43.5%          | 56.2%            |
| SAU801234     | BPT100686       | 26%      | 99.0%          | 99.1%            |
| SAU801234     | BBU100045       | 23%      | 98.7%          | 99.3%            |
| SAU801234     | BCE108067       | 26%      | 99.2%          | 98.1%            |
| SAU801234     | BFU113992       | 27%      | 99.0%          | 99.1%            |
| SAU801234     | BMA100428       | 27%      | 99.2%          | 99.5%            |
| SAU801234     | CPN200161       | 18%      | 72.6%          | 43.0%            |
| SAU801234     | CAC103024       | 34%      | 99.2%          | 99.5%            |
| SAU801234     | CBO103358       | 35%      | 99.5%          | 99.4%            |
| SAU801234     | CDF101890       | 33%      | 99.5%          | 99.7%            |
| SAU801234     | CDP101170       | 27%      | 99.9%          | 99.7%            |
| SAU801234     | EFA201599       | 41%      | 99.4%          | 99.3%            |
| SAU801234     | EFM202536       | 36%      | 85.4%          | 99.6%            |
| SAU801234     | LPN102310       | 19%      | 65.2%          | 50.6%            |
| SAU801234     | LPN101618       | 20%      | 57.2%          | 33.6%            |
| SAU801234     | LMO100062       | 41%      | 99.5%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801234     | MCA102065       | 25%      | 99.5%          | 99.8%            |
| SAU801234     | MAV100512       | 28%      | 48.5%          | 97.3%            |
| SAU801234     | MBV100832       | 37%      | 26.2%          | 70.0%            |
| SAU801234     | MLP100993       | 28%      | 98.7%          | 98.7%            |
| SAU801234     | MTU202884       | 27%      | 98.8%          | 92.3%            |
| SAU801234     | MGE100304       | 25%      | 12.6%          | 25.4%            |
| SAU801234     | MPN100415       | 27%      | 100%           | 99.8%            |
| SAU801234     | NGO101479       | 28%      | 98.8%          | 99.0%            |
| SAU801234     | NME200667       | 28%      | 98.8%          | 99.0%            |
| SAU801234     | PMU100609       | 18%      | 46.3%          | 76.5%            |
| SAU801234     | PAE201526       | 26%      | 98.8%          | 99.1%            |
| SAU801234     | PPU107259       | 28%      | 98.8%          | 99.1%            |
| SAU801234     | PSY103899       | 27%      | 98.8%          | 99.1%            |
| SAU801234     | SAU801234       | 100%     | 100%           | 100%             |
| SAU801234     | SEP201527       | 76%      | 100%           | 99.9%            |
| SAU801234     | SHA101741       | 72%      | 99.9%          | 99.9%            |
| SAU801234     | SMU100494       | 36%      | 99.5%          | 99.9%            |
| SAU801234     | SPN401125       | 37%      | 99.5%          | 99.8%            |
| SAU801234     | SPY200382       | 35%      | 99.5%          | 99.8%            |
| SAU801234     | TPA100363       | 26%      | 99.5%          | 98.8%            |
| SAU801234     | UUR100139       | 29%      | 99.2%          | 99.0%            |
| SAU801235     | ABA102251       | 46%      | 74.3%          | 84.0%            |
| SAU801235     | BAN106145       | 63%      | 73.3%          | 100%             |
| SAU801235     | BAN102864       | 68%      | 74.0%          | 93.6%            |
| SAU801235     | BFR103244       | 46%      | 71.6%          | 94.0%            |
| SAU801235     | BPT103145       | 42%      | 72.8%          | 49.8%            |
| SAU801235     | BBU100076       | 39%      | 67.5%          | 96.8%            |
| SAU801235     | BCE109396       | 44%      | 65.9%          | 77.1%            |
| SAU801235     | BFU100592       | 44%      | 64.9%          | 63.5%            |
| SAU801235     | BMA103170       | 42%      | 72.1%          | 61.1%            |
| SAU801235     | CJU101131       | 43%      | 73.1%          | 98.6%            |
| SAU801235     | CPN200871       | 37%      | 70.0%          | 97.6%            |
| SAU801235     | CTR200202       | 36%      | 67.1%          | 95.8%            |
| SAU801235     | CAC103551       | 49%      | 72.1%          | 97.7%            |
| SAU801235     | CBO103745       | 48%      | 72.1%          | 97.7%            |
| SAU801235     | CDF101891       | 46%      | 90.1%          | 92.5%            |
| SAU801235     | CDP101168       | 38%      | 90.6%          | 75.2%            |
| SAU801235     | EBC104170       | 43%      | 91.1%          | 75.9%            |
| SAU801235     | EFA201601       | 48%      | 94.0%          | 99.5%            |
| SAU801235     | EFM200001       | 60%      | 76.7%          | 95.5%            |
| SAU801235     | ECO103387       | 43%      | 91.1%          | 74.2%            |
| SAU801235     | HIN100748       | 42%      | 90.4%          | 92.0%            |
| SAU801235     | HPY100750       | 40%      | 69.2%          | 96.6%            |
| SAU801235     | KPN308256       | 46%      | 83.7%          | 68.0%            |
| SAU801235     | LMO101591       | 70%      | 75%            | 95.1%            |
| SAU801235     | MCA101469       | 48%      | 72.1%          | 95.2%            |
| SAU801235     | MAV103813       | 46%      | 65.6%          | 63.3%            |
| SAU801235     | MBV100063       | 42%      | 48.3%          | 57.8%            |
| SAU801235     | MLP100992       | 43%      | 71.9%          | 68.8%            |
| SAU801235     | MTU202883       | 46%      | 65.6%          | 64.2%            |
| SAU801235     | MGE100303       | 40%      | 76.7%          | 93.4%            |
| SAU801235     | MPN100416       | 41%      | 70.9%          | 84.8%            |
| SAU801235     | NME200274       | 41%      | 82.5%          | 81.2%            |
| SAU801235     | PMU101519       | 44%      | 82.7%          | 77.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801235     | PRT100781       | 44%      | 90.4%          | 60.0%            |
| SAU801235     | PAE200372       | 46%      | 72.8%          | 66.2%            |
| SAU801235     | PPU102117       | 47%      | 74.5%          | 62.8%            |
| SAU801235     | PSY102772       | 46%      | 74.8%          | 60.6%            |
| SAU801235     | SPA100292       | 52%      | 57.0%          | 94.0%            |
| SAU801235     | STY101273       | 43%      | 91.1%          | 75.6%            |
| SAU801235     | SAU801235       | 100%     | 100%           | 100%             |
| SAU801235     | SEP201528       | 82%      | 98.1%          | 99.5%            |
| SAU801235     | SHA101742       | 83%      | 100%           | 100%             |
| SAU801235     | SMU100011       | 47%      | 93.8%          | 73.3%            |
| SAU801235     | SPN401122       | 48%      | 90.9%          | 84.7%            |
| SAU801235     | SPY200409       | 51%      | 90.9%          | 72.1%            |
| SAU801235     | TPA100571       | 38%      | 68.5%          | 95.3%            |
| SAU801235     | UUR100140       | 47%      | 72.8%          | 86.6%            |
| SAU801235     | VCH100146       | 44%      | 87.3%          | 94.9%            |
| SAU801235     | YPS000724       | 44%      | 87.3%          | 64.9%            |
| SAU801236     | BAN105732       | 35%      | 38.2%          | 71.2%            |
| SAU801236     | BAN103174       | 68%      | 29.1%          | 88.9%            |
| SAU801236     | BAN108618       | 57%      | 91.8%          | 91.8%            |
| SAU801236     | BFR105869       | 36%      | 50.9%          | 31.9%            |
| SAU801236     | CAC101521       | 34%      | 90%            | 87.9%            |
| SAU801236     | CBO103236       | 38%      | 85.5%          | 92.7%            |
| SAU801236     | EFA201152       | 48%      | 96.4%          | 98.2%            |
| SAU801236     | EFM202076       | 48%      | 96.4%          | 98.2%            |
| SAU801236     | LMO101202       | 47%      | 93.6%          | 97.3%            |
| SAU801236     | MPN100417       | 31%      | 80.9%          | 87.3%            |
| SAU801236     | SAU801236       | 100%     | 100%           | 100%             |
| SAU801236     | SEP201529       | 82%      | 100%           | 100%             |
| SAU801236     | SHA101743       | 80%      | 100%           | 100%             |
| SAU801236     | SMU100255       | 50%      | 96.4%          | 96.4%            |
| SAU801236     | SPN401166       | 49%      | 96.4%          | 96.4%            |
| SAU801236     | SPY200916       | 52%      | 96.4%          | 93.8%            |
| SAU801236     | UUR100141       | 40%      | 65.5%          | 72.7%            |
| SAU801237     | ABA100567       | 51%      | 98.2%          | 95.7%            |
| SAU801237     | BAN113732       | 68%      | 73.6%          | 100%             |
| SAU801237     | BAN108180       | 75%      | 75.8%          | 100%             |
| SAU801237     | BFR10168        | 53%      | 84.2%          | 99.0%            |
| SAU801237     | BPT101335       | 49%      | 95.4%          | 95.7%            |
| SAU801237     | BBU100693       | 42%      | 94.3%          | 96.0%            |
| SAU801237     | BCE112884       | 48%      | 70.3%          | 97.5%            |
| SAU801237     | BFU115323       | 49%      | 98.5%          | 99.3%            |
| SAU801237     | BMA100755       | 49%      | 97.6%          | 99.3%            |
| SAU801237     | CJU100659       | 40%      | 97.8%          | 98.2%            |
| SAU801237     | CPN200646       | 39%      | 98.2%          | 98.4%            |
| SAU801237     | CTR200289       | 40%      | 98.5%          | 98.7%            |
| SAU801237     | CAC101092       | 62%      | 96.5%          | 98.2%            |
| SAU801237     | CBO101744       | 61%      | 96.5%          | 98.4%            |
| SAU801237     | CDF103672       | 65%      | 82.0%          | 96.9%            |
| SAU801237     | CDP101160       | 48%      | 98.0%          | 89.5%            |
| SAU801237     | EBC100407       | 50%      | 76.5%          | 94.4%            |
| SAU801237     | EFA201155       | 58%      | 98.7%          | 97.9%            |
| SAU801237     | EFM202293       | 62%      | 85.3%          | 99.7%            |
| SAU801237     | ECO102557       | 50%      | 99.3%          | 98.7%            |
| SAU801237     | HIN100105       | 50%      | 98.7%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801237     | HPY101135       | 39%      | 98.9%          | 98.2%            |
| SAU801237     | KPN301264       | 51%      | 77.4%          | 93.0%            |
| SAU801237     | LPN101209       | 47%      | 98.7%          | 96.5%            |
| SAU801237     | LMO100196       | 72%      | 100%           | 100%             |
| SAU801237     | MCA100840       | 50%      | 98.9%          | 98.9%            |
| SAU801237     | MAV103395       | 45%      | 99.3%          | 91.1%            |
| SAU801237     | MBV102321       | 47%      | 96.9%          | 88.2%            |
| SAU801237     | MLP100989       | 47%      | 95.8%          | 85.4%            |
| SAU801237     | MTU202878       | 47%      | 96.9%          | 88.2%            |
| SAU801237     | MGE100048       | 44%      | 92.1%          | 93.5%            |
| SAU801237     | MPN100093       | 41%      | 98.9%          | 96.4%            |
| SAU801237     | NGO101772       | 48%      | 98.5%          | 98.7%            |
| SAU801237     | NME202026       | 50%      | 98.5%          | 98.7%            |
| SAU801237     | PMU101183       | 49%      | 98.7%          | 97.8%            |
| SAU801237     | PRT100858       | 49%      | 99.3%          | 98.7%            |
| SAU801237     | PAE203743       | 50%      | 99.6%          | 98.2%            |
| SAU801237     | PPU107798       | 51%      | 99.3%          | 99.3%            |
| SAU801237     | PSY103783       | 50%      | 99.3%          | 99.3%            |
| SAU801237     | SPA101887       | 47%      | 77.8%          | 98.6%            |
| SAU801237     | STY102223       | 51%      | 99.3%          | 98.7%            |
| SAU801237     | SAU801237       | 100%     | 100%           | 100%             |
| SAU801237     | SEP201530       | 94%      | 100%           | 100%             |
| SAU801237     | SHA102361       | 88%      | 24.0%          | 100%             |
| SAU801237     | SMU100253       | 55%      | 99.3%          | 88.0%            |
| SAU801237     | SPN401165       | 56%      | 96.9%          | 84.3%            |
| SAU801237     | SPY200915       | 54%      | 99.1%          | 87.9%            |
| SAU801237     | TPA100412       | 41%      | 93.8%          | 95.1%            |
| SAU801237     | UUR100090       | 44%      | 93.8%          | 94.6%            |
| SAU801237     | VCH100550       | 50%      | 98.5%          | 97.0%            |
| SAU801237     | YPS003448       | 50%      | 99.3%          | 98.7%            |
| SAU801238     | ABA100463       | 43%      | 82.4%          | 91.6%            |
| SAU801238     | BFR103669       | 51%      | 91.2%          | 38.7%            |
| SAU801238     | BPT101149       | 37%      | 80.2%          | 86.0%            |
| SAU801238     | BBU100694       | 44%      | 94.5%          | 98.8%            |
| SAU801238     | BCE101287       | 40%      | 82.4%          | 89.3%            |
| SAU801238     | BFU106133       | 40%      | 82.4%          | 68.2%            |
| SAU801238     | BMA105933       | 40%      | 82.4%          | 89.3%            |
| SAU801238     | CJU100660       | 52%      | 80.2%          | 96%              |
| SAU801238     | CPN200645       | 42%      | 72.5%          | 53.8%            |
| SAU801238     | CTR200290       | 43%      | 86.8%          | 65.5%            |
| SAU801238     | CAC102507       | 53%      | 89.0%          | 98.8%            |
| SAU801238     | CBO102241       | 57%      | 91.2%          | 96.5%            |
| SAU801238     | CDF104187       | 52%      | 100%           | 96.8%            |
| SAU801238     | CDP101155       | 51%      | 92.3%          | 52.9%            |
| SAU801238     | EFA201163       | 65%      | 100%           | 98.9%            |
| SAU801238     | ECO102556       | 39%      | 82.4%          | 92.7%            |
| SAU801238     | HIN100194       | 44%      | 82.4%          | 92.7%            |
| SAU801238     | HPY101134       | 47%      | 80.2%          | 94.7%            |
| SAU801238     | KPN203248       | 41%      | 75.8%          | 95.9%            |
| SAU801238     | LPN102433       | 42%      | 82.4%          | 88.4%            |
| SAU801238     | LMO101675       | 65%      | 100%           | 100%             |
| SAU801238     | MCA100471       | 45%      | 80.2%          | 90.2%            |
| SAU801238     | MAV103402       | 52%      | 92.3%          | 48.8%            |
| SAU801238     | MBV102277       | 51%      | 92.3%          | 51.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801238     | MLP100988       | 51%      | 92.3%          | 51.9%            |
| SAU801238     | MTU202871       | 51%      | 92.3%          | 51.2%            |
| SAU801238     | MGE100455       | 46%      | 91.2%          | 92.1%            |
| SAU801238     | MPN100182       | 51%      | 89.0%          | 90.9%            |
| SAU801238     | NGO102008       | 40%      | 83.5%          | 95.1%            |
| SAU801238     | NME200735       | 40%      | 83.5%          | 95.1%            |
| SAU801238     | PRT100822       | 45%      | 75.8%          | 72.9%            |
| SAU801238     | PAE203742       | 43%      | 80.2%          | 89.2%            |
| SAU801238     | PPU107799       | 40%      | 82.4%          | 69.7%            |
| SAU801238     | PSY103786       | 41%      | 85.7%          | 92.9%            |
| SAU801238     | SPA101888       | 38%      | 82.4%          | 74.5%            |
| SAU801238     | STY102221       | 38%      | 82.4%          | 92.7%            |
| SAU801238     | SAU801238       | 100%     | 100%           | 100%             |
| SAU801238     | SEP201531       | 87%      | 100%           | 100%             |
| SAU801238     | SHA102521       | 94%      | 56.0%          | 100%             |
| SAU801238     | SMU100800       | 61%      | 100%           | 98.9%            |
| SAU801238     | SPN400682       | 65%      | 100%           | 100%             |
| SAU801238     | SPY200625       | 62%      | 100%           | 100%             |
| SAU801238     | TPA100895       | 50%      | 82.4%          | 61.0%            |
| SAU801238     | UUR100575       | 45%      | 97.8%          | 89.1%            |
| SAU801238     | VCH100551       | 41%      | 80.2%          | 90.2%            |
| SAU801238     | YPS003446       | 42%      | 83.5%          | 92.7%            |
| SAU801240     | ABA100452       | 44%      | 93.9%          | 96.3%            |
| SAU801240     | BFR103869       | 51%      | 91.0%          | 99.6%            |
| SAU801240     | BPT101155       | 43%      | 91.4%          | 90.7%            |
| SAU801240     | BBU100697       | 45%      | 91.8%          | 94.1%            |
| SAU801240     | BCE110744       | 46%      | 90.6%          | 86.4%            |
| SAU801240     | BFU102064       | 43%      | 91.4%          | 88.8%            |
| SAU801240     | BMA102082       | 44%      | 91.4%          | 87.1%            |
| SAU801240     | CJU100663       | 38%      | 90.2%          | 96.6%            |
| SAU801240     | CPN200644       | 50%      | 91.8%          | 61.8%            |
| SAU801240     | CTR200291       | 45%      | 91.8%          | 63.4%            |
| SAU801240     | CAC101341       | 48%      | 95.9%          | 96.3%            |
| SAU801240     | CBO102927       | 52%      | 97.1%          | 97.5%            |
| SAU801240     | CDF104123       | 50%      | 91.4%          | 98.3%            |
| SAU801240     | CDP101153       | 41%      | 100%           | 97.6%            |
| SAU801240     | EBC100905       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | EFA202296       | 54%      | 97.6%          | 98.0%            |
| SAU801240     | ECO102554       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | HIN100192       | 45%      | 96.3%          | 96.7%            |
| SAU801240     | HPY101131       | 37%      | 91.8%          | 99.1%            |
| SAU801240     | KPN300514       | 33%      | 45.3%          | 100%             |
| SAU801240     | LPN101866       | 44%      | 97.6%          | 96.4%            |
| SAU801240     | LMO102506       | 55%      | 97.1%          | 98.4%            |
| SAU801240     | MCA100037       | 39%      | 89.8%          | 92%              |
| SAU801240     | MAV103396       | 42%      | 90.6%          | 95.0%            |
| SAU801240     | MBV102286       | 46%      | 90.2%          | 98.3%            |
| SAU801240     | MLP100985       | 45%      | 90.2%          | 95.0%            |
| SAU801240     | MTU202868       | 46%      | 90.2%          | 98.3%            |
| SAU801240     | MGE100454       | 46%      | 94.7%          | 99.1%            |
| SAU801240     | MPN100183       | 46%      | 86.1%          | 99.0%            |
| SAU801240     | NGO102006       | 46%      | 96.7%          | 96.0%            |
| SAU801240     | NME200733       | 46%      | 96.3%          | 95.6%            |
| SAU801240     | PMU101297       | 45%      | 97.6%          | 98.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801240     | PRT100820       | 42%      | 97.6%          | 96.4%            |
| SAU801240     | PAE203740       | 42%      | 96.3%          | 94.8%            |
| SAU801240     | PPU107801       | 45%      | 97.1%          | 96%              |
| SAU801240     | PSY102681       | 45%      | 97.1%          | 93.0%            |
| SAU801240     | SPA101890       | 43%      | 96.7%          | 93.7%            |
| SAU801240     | STY102217       | 44%      | 97.6%          | 94.5%            |
| SAU801240     | SAU801240       | 100%     | 100%           | 100%             |
| SAU801240     | SEP201533       | 81%      | 99.2%          | 99.2%            |
| SAU801240     | SMU100806       | 58%      | 97.6%          | 97.9%            |
| SAU801240     | SPN400687       | 57%      | 97.6%          | 98.3%            |
| SAU801240     | SPY200632       | 58%      | 100%           | 99.2%            |
| SAU801240     | TPA100898       | 43%      | 90.6%          | 88%              |
| SAU801240     | UUR100574       | 46%      | 91.8%          | 97.8%            |
| SAU801240     | VCH100553       | 44%      | 97.1%          | 97.2%            |
| SAU801240     | YPS003421       | 43%      | 97.6%          | 98.0%            |
| SAU801241     | ABA100455       | 64%      | 95.7%          | 91.0%            |
| SAU801241     | BFR102397       | 60%      | 83.6%          | 82.9%            |
| SAU801241     | BPT100242       | 64%      | 80.2%          | 73.8%            |
| SAU801241     | BBU100698       | 55%      | 90.5%          | 86.8%            |
| SAU801241     | BCE107881       | 53%      | 92.2%          | 82.3%            |
| SAU801241     | BFU102066       | 54%      | 92.2%          | 82.9%            |
| SAU801241     | BMA100174       | 53%      | 92.2%          | 82.9%            |
| SAU801241     | CJU100664       | 56%      | 97.4%          | 97.5%            |
| SAU801241     | CPN200643       | 48%      | 94.0%          | 90.1%            |
| SAU801241     | CTR200292       | 49%      | 94.8%          | 90.9%            |
| SAU801241     | CAC102258       | 63%      | 95.7%          | 97.4%            |
| SAU801241     | CBO102492       | 60%      | 94.8%          | 96.5%            |
| SAU801241     | CDF103914       | 67%      | 97.4%          | 97.4%            |
| SAU801241     | CDP101148       | 67%      | 95.7%          | 98.2%            |
| SAU801241     | EBC100906       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | EFA202298       | 74%      | 95.7%          | 96.5%            |
| SAU801241     | EFM202223       | 76%      | 95.7%          | 96.5%            |
| SAU801241     | ECO102553       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | HIN100191       | 54%      | 94.0%          | 94.0%            |
| SAU801241     | HPY101130       | 49%      | 97.4%          | 97.5%            |
| SAU801241     | KPN301017       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | LPN101449       | 55%      | 98.3%          | 93.4%            |
| SAU801241     | LMO102632       | 76%      | 97.4%          | 99.1%            |
| SAU801241     | MCA100220       | 63%      | 95.7%          | 89.4%            |
| SAU801241     | MAV102886       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MBV102292       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MLP100984       | 64%      | 94.8%          | 97.3%            |
| SAU801241     | MTU202866       | 65%      | 94.8%          | 97.3%            |
| SAU801241     | MGE100453       | 48%      | 94.0%          | 90.8%            |
| SAU801241     | MPN100184       | 48%      | 94.0%          | 90.8%            |
| SAU801241     | NGO102004       | 64%      | 87.9%          | 84.3%            |
| SAU801241     | NME200732       | 65%      | 87.9%          | 84.3%            |
| SAU801241     | PMU101298       | 55%      | 94.0%          | 94.0%            |
| SAU801241     | PRT100819       | 55%      | 94.0%          | 93.2%            |
| SAU801241     | PAE203739       | 56%      | 98.3%          | 97.4%            |
| SAU801241     | PPU107802       | 57%      | 98.3%          | 97.4%            |
| SAU801241     | PSY103791       | 58%      | 98.3%          | 97.4%            |
| SAU801241     | SPA101891       | 55%      | 94.0%          | 94.8%            |
| SAU801241     | STY102215       | 55%      | 94.0%          | 94.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801241     | SAU801241       | 100%     | 100%           | 100%             |
| SAU801241     | SEP201534       | 93%      | 100%           | 100%             |
| SAU801241     | SMU100257       | 72%      | 95.7%          | 96.5%            |
| SAU801241     | SPN401170       | 72%      | 95.7%          | 96.5%            |
| SAU801241     | SPY200530       | 71%      | 95.7%          | 96.5%            |
| SAU801241     | TPA100899       | 57%      | 93.1%          | 87.8%            |
| SAU801241     | UUR100573       | 54%      | 95.7%          | 90.2%            |
| SAU801241     | VCH100554       | 62%      | 94.0%          | 93.2%            |
| SAU801241     | YPS003417       | 54%      | 94.0%          | 94.8%            |
| SAU801243     | BAN100670       | 54%      | 94.9%          | 99.3%            |
| SAU801243     | BAN113498       | 55%      | 97.6%          | 96.6%            |
| SAU801243     | BBU100642       | 34%      | 94.2%          | 96.4%            |
| SAU801243     | CAC103197       | 43%      | 92.5%          | 95.8%            |
| SAU801243     | CBO101418       | 41%      | 97.6%          | 97.9%            |
| SAU801243     | CDF103392       | 44%      | 94.6%          | 92.0%            |
| SAU801243     | EFA201280       | 53%      | 97.6%          | 100%             |
| SAU801243     | EFM202454       | 52%      | 97.6%          | 99.0%            |
| SAU801243     | LMO101914       | 58%      | 94.9%          | 96.9%            |
| SAU801243     | MGE100451       | 30%      | 94.6%          | 96.7%            |
| SAU801243     | MPN100186       | 29%      | 94.6%          | 96.3%            |
| SAU801243     | NGO101947       | 35%      | 93.2%          | 86.3%            |
| SAU801243     | NME200873       | 35%      | 93.2%          | 86.3%            |
| SAU801243     | SAU801243       | 100%     | 100%           | 100%             |
| SAU801243     | SEP201537       | 82%      | 97.6%          | 100%             |
| SAU801243     | SHA101010       | 84%      | 100%           | 100%             |
| SAU801243     | SMU100098       | 46%      | 94.2%          | 95.8%            |
| SAU801243     | SPN401043       | 45%      | 95.9%          | 97.5%            |
| SAU801243     | SPY200887       | 44%      | 96.3%          | 98.2%            |
| SAU801243     | UUR100599       | 30%      | 94.2%          | 97.4%            |
| SAU801243     | VCH103253       | 41%      | 97.3%          | 88.9%            |
| SAU801246     | ABA101768       | 62%      | 97.0%          | 99.7%            |
| SAU801246     | BAN108859       | 65%      | 98.0%          | 98.7%            |
| SAU801246     | BAN107819       | 77%      | 98.0%          | 98.7%            |
| SAU801246     | BFR12149        | 55%      | 94.0%          | 98.6%            |
| SAU801246     | BPT102810       | 60%      | 94.0%          | 98.6%            |
| SAU801246     | BCE103851       | 63%      | 95.0%          | 99.7%            |
| SAU801246     | BFU103478       | 61%      | 94.0%          | 98.6%            |
| SAU801246     | BMA108528       | 62%      | 94.0%          | 98.6%            |
| SAU801246     | CJU100496       | 54%      | 94.0%          | 98.3%            |
| SAU801246     | CPN200869       | 59%      | 92.7%          | 95.6%            |
| SAU801246     | CTR200204       | 55%      | 94.0%          | 97.6%            |
| SAU801246     | EBC102737       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | EFA201366       | 24%      | 68.5%          | 20.3%            |
| SAU801246     | ECO100712       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | HIN101170       | 62%      | 96.4%          | 99.3%            |
| SAU801246     | KPN300770       | 63%      | 94.0%          | 98.3%            |
| SAU801246     | LPN101597       | 62%      | 94.7%          | 98.6%            |
| SAU801246     | MAV101285       | 52%      | 92.4%          | 96%              |
| SAU801246     | MBV101961       | 51%      | 92.1%          | 94.7%            |
| SAU801246     | MLP100114       | 51%      | 92.4%          | 96%              |
| SAU801246     | MTU200943       | 51%      | 92.1%          | 94.7%            |
| SAU801246     | NGO101261       | 63%      | 97.0%          | 99.7%            |
| SAU801246     | NME201066       | 63%      | 97.0%          | 99.7%            |
| SAU801246     | PMU100281       | 64%      | 94.0%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801246     | PRT102068       | 65%      | 94.0%          | 97.9%            |
| SAU801246     | PAE201588       | 65%      | 94.7%          | 96.9%            |
| SAU801246     | PPU101203       | 64%      | 94.7%          | 97.3%            |
| SAU801246     | PSY104865       | 64%      | 94.7%          | 97.6%            |
| SAU801246     | SPA103281       | 61%      | 89.7%          | 94.4%            |
| SAU801246     | STY101933       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | STM101672       | 65%      | 94.0%          | 98.3%            |
| SAU801246     | SAU801246       | 100%     | 100%           | 100%             |
| SAU801246     | SEP201540       | 93%      | 100%           | 100%             |
| SAU801246     | SHA100180       | 93%      | 86.4%          | 100%             |
| SAU801246     | VCH102052       | 66%      | 94.7%          | 98.6%            |
| SAU801246     | YPS002067       | 65%      | 94.0%          | 97.9%            |
| SAU801251     | BAN112697       | 67%      | 97.9%          | 99.8%            |
| SAU801251     | BAN101040       | 72%      | 98.9%          | 94.9%            |
| SAU801251     | EFA201310       | 71%      | 97.9%          | 97.7%            |
| SAU801251     | EFM200985       | 68%      | 99.1%          | 93.9%            |
| SAU801251     | LMO102370       | 72%      | 100%           | 100%             |
| SAU801251     | SAU801251       | 100%     | 100%           | 100%             |
| SAU801251     | SEP201543       | 91%      | 100%           | 98.2%            |
| SAU801251     | SHA100490       | 93%      | 67.1%          | 100%             |
| SAU801251     | SMU100122       | 63%      | 98.2%          | 98.2%            |
| SAU801251     | SPN400844       | 66%      | 98.2%          | 98.2%            |
| SAU801251     | SPY200895       | 65%      | 97.7%          | 96.9%            |
| SAU801252     | BAN111598       | 42%      | 96.3%          | 98.0%            |
| SAU801252     | BAN106190       | 47%      | 96.3%          | 97.7%            |
| SAU801252     | EFA201313       | 46%      | 96.3%          | 97.7%            |
| SAU801252     | EFM202573       | 45%      | 96.6%          | 93.9%            |
| SAU801252     | LMO101828       | 47%      | 97.0%          | 98%              |
| SAU801252     | SAU801252       | 100%     | 100%           | 100%             |
| SAU801252     | SEP201545       | 81%      | 98.7%          | 99.3%            |
| SAU801252     | SHA100491       | 82%      | 99.7%          | 100%             |
| SAU801252     | SPN401046       | 26%      | 79.5%          | 78.1%            |
| SAU801253     | BAN106152       | 70%      | 96.7%          | 97.8%            |
| SAU801253     | BAN100924       | 73%      | 96.7%          | 97.8%            |
| SAU801253     | BPT100535       | 56%      | 96.7%          | 96.6%            |
| SAU801253     | BBU100295       | 53%      | 95.6%          | 95.6%            |
| SAU801253     | BCE107448       | 41%      | 82.3%          | 95.5%            |
| SAU801253     | BFU106864       | 53%      | 96.7%          | 97.2%            |
| SAU801253     | BMA106404       | 52%      | 96.7%          | 82.0%            |
| SAU801253     | CJU100619       | 53%      | 93.9%          | 93.9%            |
| SAU801253     | EBC104505       | 55%      | 95.6%          | 97.2%            |
| SAU801253     | EFA201316       | 63%      | 100%           | 100%             |
| SAU801253     | EFM201153       | 63%      | 100%           | 100%             |
| SAU801253     | ECO103838       | 56%      | 95.6%          | 97.2%            |
| SAU801253     | HIN100475       | 59%      | 95.6%          | 98.3%            |
| SAU801253     | HPY100510       | 51%      | 94.5%          | 96.7%            |
| SAU801253     | KPN303215       | 54%      | 95.6%          | 97.2%            |
| SAU801253     | LPN100752       | 56%      | 96.7%          | 95.1%            |
| SAU801253     | LMO102574       | 71%      | 97.2%          | 98.9%            |
| SAU801253     | MAV106140       | 26%      | 89.0%          | 58.7%            |
| SAU801253     | MBV101982       | 27%      | 89.0%          | 61.2%            |
| SAU801253     | MLP100822       | 25%      | 89.0%          | 61.2%            |
| SAU801253     | MTU202077       | 27%      | 89.0%          | 61.2%            |
| SAU801253     | PMU101749       | 58%      | 95.6%          | 97.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801253     | PRT101661       | 54%      | 95.6%          | 97.2%            |
| SAU801253     | PAE205048       | 57%      | 95.6%          | 97.2%            |
| SAU801253     | PPU107338       | 59%      | 96.7%          | 90.1%            |
| SAU801253     | PSY103571       | 59%      | 94.5%          | 88.0%            |
| SAU801253     | SPA106189       | 66%      | 32.6%          | 98.3%            |
| SAU801253     | STY103120       | 55%      | 95.6%          | 97.2%            |
| SAU801253     | SAU801253       | 100%     | 100%           | 100%             |
| SAU801253     | SEP201546       | 94%      | 98.9%          | 99.4%            |
| SAU801253     | SHA100492       | 95%      | 100%           | 100%             |
| SAU801253     | VCH102638       | 58%      | 95.6%          | 92.4%            |
| SAU801253     | YPS001391       | 56%      | 95.6%          | 98.3%            |
| SAU801256     | ABA104000       | 48%      | 96.1%          | 97.6%            |
| SAU801256     | BAN100446       | 73%      | 71.0%          | 96.8%            |
| SAU801256     | BAN110084       | 77%      | 89.0%          | 97.4%            |
| SAU801256     | BFR104950       | 47%      | 92.5%          | 84.9%            |
| SAU801256     | BPT101108       | 54%      | 86.7%          | 88.8%            |
| SAU801256     | BBU100122       | 49%      | 100%           | 98.8%            |
| SAU801256     | BCE101166       | 47%      | 92.9%          | 96.3%            |
| SAU801256     | BFU101939       | 49%      | 94.1%          | 96%              |
| SAU801256     | BMA101604       | 48%      | 92.2%          | 97.1%            |
| SAU801256     | CJU101107       | 50%      | 99.2%          | 97.0%            |
| SAU801256     | CPN200048       | 46%      | 98.8%          | 91.7%            |
| SAU801256     | CTR200051       | 45%      | 94.9%          | 85.8%            |
| SAU801256     | CAC101756       | 70%      | 89.0%          | 97.9%            |
| SAU801256     | CBO103187       | 70%      | 89.0%          | 97.9%            |
| SAU801256     | CDF101764       | 69%      | 92.9%          | 99.6%            |
| SAU801256     | CDP101120       | 54%      | 100%           | 97.0%            |
| SAU801256     | EBC103098       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | EFA200418       | 70%      | 99.6%          | 95.0%            |
| SAU801256     | ECO100169       | 51%      | 88.2%          | 93.4%            |
| SAU801256     | HIN100892       | 47%      | 92.5%          | 94.8%            |
| SAU801256     | HPY101531       | 51%      | 97.6%          | 94.3%            |
| SAU801256     | KPN301398       | 51%      | 83.5%          | 93.0%            |
| SAU801256     | LPN100646       | 48%      | 96.5%          | 98.8%            |
| SAU801256     | LMO100442       | 74%      | 98.8%          | 100%             |
| SAU801256     | MCA101251       | 49%      | 98.8%          | 92.3%            |
| SAU801256     | MAV106404       | 56%      | 99.2%          | 94.2%            |
| SAU801256     | MBV102282       | 61%      | 88.6%          | 78.7%            |
| SAU801256     | MLP100973       | 61%      | 88.6%          | 81.6%            |
| SAU801256     | MTU202852       | 61%      | 88.6%          | 78.7%            |
| SAU801256     | MGE100072       | 37%      | 96.5%          | 87.0%            |
| SAU801256     | MPN100623       | 36%      | 96.5%          | 84.0%            |
| SAU801256     | NGO100893       | 46%      | 92.9%          | 97.9%            |
| SAU801256     | NME200306       | 46%      | 92.9%          | 97.9%            |
| SAU801256     | PMU101984       | 48%      | 92.5%          | 94.4%            |
| SAU801256     | PRT105507       | 51%      | 96.1%          | 100%             |
| SAU801256     | PAE203654       | 50%      | 92.5%          | 98.4%            |
| SAU801256     | PPU107884       | 49%      | 92.9%          | 97.1%            |
| SAU801256     | PSY108183       | 51%      | 89.8%          | 85.8%            |
| SAU801256     | SPA101195       | 49%      | 96.1%          | 100%             |
| SAU801256     | STY103848       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | STM103561       | 52%      | 88.2%          | 93.4%            |
| SAU801256     | SAU801256       | 100%     | 100%           | 100%             |
| SAU801256     | SEP201549       | 94%      | 100%           | 97.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801256     | SHA100713       | 93%      | 78.8%          | 96.6%            |
| SAU801256     | SMU100628       | 62%      | 99.6%          | 96.9%            |
| SAU801256     | SPN402017       | 63%      | 99.6%          | 97.3%            |
| SAU801256     | SPY201599       | 64%      | 97.6%          | 97.3%            |
| SAU801256     | TPA100599       | 58%      | 87.5%          | 76.6%            |
| SAU801256     | UUR100024       | 43%      | 86.7%          | 63.6%            |
| SAU801256     | VCH102226       | 53%      | 92.2%          | 95.5%            |
| SAU801256     | YPS001127       | 52%      | 88.2%          | 93.4%            |
| SAU801257     | ABA106144       | 43%      | 98.3%          | 97.3%            |
| SAU801257     | BAN110110       | 57%      | 96.9%          | 99.0%            |
| SAU801257     | BAN103067       | 70%      | 99.0%          | 98.3%            |
| SAU801257     | BFR10353        | 33%      | 92.5%          | 98.5%            |
| SAU801257     | BPT101109       | 46%      | 98.3%          | 97.3%            |
| SAU801257     | BBU100121       | 34%      | 88.4%          | 92.5%            |
| SAU801257     | BCE107064       | 46%      | 99.7%          | 97.6%            |
| SAU801257     | BFU100280       | 46%      | 99.7%          | 97.6%            |
| SAU801257     | BMA107429       | 44%      | 99.7%          | 97.6%            |
| SAU801257     | CJU101106       | 37%      | 99.7%          | 100%             |
| SAU801257     | CPN200047       | 37%      | 93.5%          | 99.6%            |
| SAU801257     | CTR200050       | 35%      | 93.5%          | 99.6%            |
| SAU801257     | CAC101812       | 47%      | 99.0%          | 98.7%            |
| SAU801257     | CBO101301       | 47%      | 98.6%          | 98.4%            |
| SAU801257     | CDF101762       | 53%      | 100%           | 100%             |
| SAU801257     | CDP101115       | 41%      | 93.9%          | 99.6%            |
| SAU801257     | EBC103096       | 43%      | 100%           | 99.3%            |
| SAU801257     | EFA200421       | 62%      | 100%           | 99.7%            |
| SAU801257     | ECO100170       | 43%      | 100%           | 99.3%            |
| SAU801257     | HIN100893       | 47%      | 98.3%          | 97.2%            |
| SAU801257     | HPY101532       | 37%      | 100%           | 100%             |
| SAU801257     | KPN301399       | 43%      | 100%           | 99.3%            |
| SAU801257     | LPN100716       | 44%      | 100%           | 99.7%            |
| SAU801257     | LMO102014       | 63%      | 100%           | 99.7%            |
| SAU801257     | MCA101252       | 42%      | 98.3%          | 96.9%            |
| SAU801257     | MAV106405       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MBV102285       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MLP100972       | 38%      | 93.9%          | 99.6%            |
| SAU801257     | MTU202851       | 40%      | 93.9%          | 99.6%            |
| SAU801257     | MGE100443       | 37%      | 100%           | 99.7%            |
| SAU801257     | MPN100211       | 40%      | 100%           | 99.7%            |
| SAU801257     | NGO100890       | 44%      | 100%           | 99.6%            |
| SAU801257     | NME200305       | 44%      | 100%           | 99.6%            |
| SAU801257     | PMU101985       | 46%      | 100%           | 99.6%            |
| SAU801257     | PRT104501       | 45%      | 100%           | 100%             |
| SAU801257     | PAE203653       | 46%      | 99.7%          | 98.3%            |
| SAU801257     | PPU107887       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | PSY104373       | 44%      | 99.7%          | 98.3%            |
| SAU801257     | SPA101193       | 43%      | 100%           | 99.3%            |
| SAU801257     | STY103870       | 43%      | 100%           | 99.3%            |
| SAU801257     | STM103563       | 43%      | 100%           | 99.3%            |
| SAU801257     | SAU801257       | 100%     | 100%           | 100%             |
| SAU801257     | SEP201550       | 91%      | 99.0%          | 99.3%            |
| SAU801257     | SHA100714       | 92%      | 99.0%          | 99.3%            |
| SAU801257     | SMU100627       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | SPN402016       | 42%      | 99.7%          | 98.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801257     | SPY201600       | 42%      | 99.7%          | 98.3%            |
| SAU801257     | TPA100598       | 31%      | 91.5%          | 95.5%            |
| SAU801257     | UUR100520       | 40%      | 98.3%          | 98.6%            |
| SAU801257     | VCH102225       | 44%      | 97.3%          | 97.1%            |
| SAU801257     | YPS001128       | 44%      | 100%           | 99.3%            |
| SAU801259     | ABA101326       | 40%      | 100%           | 99.5%            |
| SAU801259     | BAN107492       | 62%      | 95.1%          | 100%             |
| SAU801259     | BAN102566       | 62%      | 98.4%          | 97.8%            |
| SAU801259     | BFR11093        | 45%      | 98.4%          | 96.8%            |
| SAU801259     | BPT101111       | 48%      | 100%           | 98.9%            |
| SAU801259     | BBU100120       | 47%      | 93.5%          | 93.5%            |
| SAU801259     | BCE106939       | 46%      | 100%           | 98.9%            |
| SAU801259     | BFU100278       | 47%      | 94.0%          | 100%             |
| SAU801259     | BMA105364       | 47%      | 100%           | 98.9%            |
| SAU801259     | CJU100207       | 41%      | 100%           | 98.4%            |
| SAU801259     | CPN200045       | 38%      | 98.4%          | 98.9%            |
| SAU801259     | CTR200048       | 38%      | 97.8%          | 98.9%            |
| SAU801259     | CAC102009       | 52%      | 100%           | 99.5%            |
| SAU801259     | CBO101172       | 50%      | 100%           | 99.5%            |
| SAU801259     | CDF101758       | 53%      | 98.9%          | 98.4%            |
| SAU801259     | CDP101113       | 45%      | 100%           | 99.5%            |
| SAU801259     | EBC103092       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | EFA200427       | 60%      | 98.9%          | 98.4%            |
| SAU801259     | ECO100172       | 46%      | 98.9%          | 98.4%            |
| SAU801259     | HIN100788       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | HPY101239       | 46%      | 98.4%          | 97.8%            |
| SAU801259     | KPN301402       | 46%      | 98.9%          | 98.4%            |
| SAU801259     | LPN100810       | 47%      | 100%           | 99.5%            |
| SAU801259     | LMO100919       | 59%      | 98.9%          | 98.4%            |
| SAU801259     | MCA100779       | 42%      | 100%           | 99.5%            |
| SAU801259     | MAV106394       | 46%      | 100%           | 99.5%            |
| SAU801259     | MBV102301       | 46%      | 100%           | 99.5%            |
| SAU801259     | MLP100969       | 45%      | 100%           | 99.5%            |
| SAU801259     | MTU202844       | 46%      | 100%           | 99.5%            |
| SAU801259     | MGE100445       | 35%      | 95.7%          | 94.5%            |
| SAU801259     | MPN100206       | 35%      | 97.8%          | 96.7%            |
| SAU801259     | NGO100813       | 45%      | 100%           | 99.5%            |
| SAU801259     | NME200075       | 44%      | 100%           | 99.5%            |
| SAU801259     | PMU101987       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | PRT101754       | 43%      | 98.9%          | 98.4%            |
| SAU801259     | PAE203651       | 44%      | 100%           | 99.5%            |
| SAU801259     | PPU101137       | 46%      | 100%           | 99.5%            |
| SAU801259     | PSY109122       | 42%      | 100%           | 99.5%            |
| SAU801259     | SPA101723       | 44%      | 98.9%          | 98.4%            |
| SAU801259     | STY103872       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | STM103585       | 45%      | 98.9%          | 98.4%            |
| SAU801259     | SAU801259       | 100%     | 100%           | 100%             |
| SAU801259     | SEP201552       | 91%      | 100%           | 100%             |
| SAU801259     | SHA100716       | 89%      | 100%           | 100%             |
| SAU801259     | SMU101141       | 56%      | 98.4%          | 97.8%            |
| SAU801259     | SPN400846       | 54%      | 98.4%          | 97.8%            |
| SAU801259     | SPY200332       | 60%      | 98.4%          | 97.8%            |
| SAU801259     | TPA100597       | 44%      | 94.6%          | 95.1%            |
| SAU801259     | UUR100518       | 43%      | 97.8%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801259     | VCH102223       | 45%      | 100%           | 99.5%            |
| SAU801259     | YPS001131       | 43%      | 98.9%          | 98.4%            |
| SAU801260     | ABA101323       | 35%      | 91.4%          | 93.6%            |
| SAU801260     | BAN110276       | 44%      | 92.6%          | 100%             |
| SAU801260     | BAN105083       | 55%      | 96.1%          | 95.7%            |
| SAU801260     | BFR102222       | 42%      | 74.2%          | 90.4%            |
| SAU801260     | BPT101116       | 41%      | 92.6%          | 93.3%            |
| SAU801260     | BBU100119       | 33%      | 91.0%          | 99.6%            |
| SAU801260     | BCE102153       | 34%      | 89.1%          | 89.1%            |
| SAU801260     | BFU100277       | 40%      | 92.6%          | 90.8%            |
| SAU801260     | BMA102737       | 40%      | 92.6%          | 90.8%            |
| SAU801260     | CJU100763       | 32%      | 88.3%          | 97.7%            |
| SAU801260     | CPN200180       | 41%      | 93.4%          | 93.5%            |
| SAU801260     | CTR200725       | 43%      | 89.1%          | 91.7%            |
| SAU801260     | CAC100397       | 52%      | 93.0%          | 93.8%            |
| SAU801260     | CBO101109       | 49%      | 95.7%          | 96.0%            |
| SAU801260     | CDF101757       | 53%      | 94.1%          | 98.8%            |
| SAU801260     | CDP100541       | 38%      | 89.5%          | 93.5%            |
| SAU801260     | EBC103101       | 41%      | 86.3%          | 96.5%            |
| SAU801260     | EFA201709       | 55%      | 94.9%          | 93.4%            |
| SAU801260     | EFM200654       | 20%      | 43.4%          | 31.5%            |
| SAU801260     | EFM202480       | 20%      | 43.4%          | 31.5%            |
| SAU801260     | ECO100174       | 43%      | 88.3%          | 89.3%            |
| SAU801260     | HIN100899       | 44%      | 91.8%          | 98.3%            |
| SAU801260     | HPY101204       | 39%      | 90.2%          | 98.3%            |
| SAU801260     | KPN301405       | 39%      | 93.8%          | 93.0%            |
| SAU801260     | LPN100728       | 33%      | 63.7%          | 98.8%            |
| SAU801260     | LMO100967       | 52%      | 98.8%          | 100%             |
| SAU801260     | MCA100780       | 38%      | 91.0%          | 94.0%            |
| SAU801260     | MAV108353       | 41%      | 91.0%          | 78.7%            |
| SAU801260     | MBV102605       | 40%      | 85.9%          | 99.1%            |
| SAU801260     | MLP100397       | 39%      | 91.0%          | 78.7%            |
| SAU801260     | MTU202325       | 39%      | 91.0%          | 78.7%            |
| SAU801260     | NGO100815       | 44%      | 93.0%          | 93.5%            |
| SAU801260     | NME200076       | 44%      | 93.0%          | 93.5%            |
| SAU801260     | PMU101989       | 45%      | 93.0%          | 99.2%            |
| SAU801260     | PRT105689       | 42%      | 94.9%          | 96.4%            |
| SAU801260     | PAE203650       | 39%      | 91.0%          | 92.8%            |
| SAU801260     | PPU101138       | 39%      | 91.8%          | 93.6%            |
| SAU801260     | PSY104368       | 37%      | 91.8%          | 93.6%            |
| SAU801260     | SPA101725       | 38%      | 88.3%          | 93.7%            |
| SAU801260     | STY103874       | 41%      | 90.6%          | 93.7%            |
| SAU801260     | STM103587       | 41%      | 90.6%          | 93.7%            |
| SAU801260     | SAU801260       | 100%     | 100%           | 100%             |
| SAU801260     | SEP201553       | 78%      | 100%           | 100%             |
| SAU801260     | SHA102731       | 78%      | 100%           | 100%             |
| SAU801260     | SMU101088       | 49%      | 94.9%          | 99.2%            |
| SAU801260     | SPN400240       | 53%      | 90.6%          | 91.5%            |
| SAU801260     | SPY201513       | 55%      | 89.5%          | 93.6%            |
| SAU801260     | TPA100596       | 38%      | 89.1%          | 99.1%            |
| SAU801260     | VCH102222       | 40%      | 94.1%          | 94.1%            |
| SAU801260     | YPS001135       | 40%      | 90.6%          | 92.1%            |
| SAU801261     | ABA101320       | 45%      | 46.5%          | 44.9%            |
| SAU801261     | BAN105383       | 44%      | 98.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801261     | BAN105024       | 49%      | 98.8%          | 98.9%            |
| SAU801261     | BFR103149       | 37%      | 65.4%          | 68.5%            |
| SAU801261     | BPT105948       | 35%      | 48.5%          | 46.7%            |
| SAU801261     | BCE105417       | 32%      | 98.8%          | 99.3%            |
| SAU801261     | BFU100276       | 36%      | 98.8%          | 99.3%            |
| SAU801261     | BMA102698       | 30%      | 98.8%          | 99.3%            |
| SAU801261     | CJU101271       | 42%      | 50%            | 52.3%            |
| SAU801261     | CPN200179       | 31%      | 57.7%          | 52.9%            |
| SAU801261     | CTR200726       | 27%      | 95%            | 89.5%            |
| SAU801261     | CAC100444       | 30%      | 89.6%          | 95.9%            |
| SAU801261     | CBO101925       | 31%      | 90.8%          | 98.8%            |
| SAU801261     | CDF101756       | 35%      | 95.4%          | 96.1%            |
| SAU801261     | CDP101112       | 40%      | 48.1%          | 42.8%            |
| SAU801261     | EBC103099       | 46%      | 51.9%          | 47.4%            |
| SAU801261     | EFA201711       | 42%      | 98.1%          | 98.5%            |
| SAU801261     | ECO100175       | 44%      | 51.9%          | 54.2%            |
| SAU801261     | HIN100898       | 43%      | 48.5%          | 45.1%            |
| SAU801261     | HPY100211       | 29%      | 90.4%          | 89.1%            |
| SAU801261     | KPN301406       | 43%      | 52.7%          | 52.1%            |
| SAU801261     | LPN100664       | 44%      | 47.7%          | 46.4%            |
| SAU801261     | LMO100426       | 45%      | 99.2%          | 99.6%            |
| SAU801261     | MCA100781       | 32%      | 96.5%          | 88.3%            |
| SAU801261     | MAV106396       | 40%      | 46.5%          | 38.6%            |
| SAU801261     | MBV102303       | 39%      | 51.5%          | 42.8%            |
| SAU801261     | MLP100968       | 40%      | 46.2%          | 38.1%            |
| SAU801261     | MTU202843       | 39%      | 51.5%          | 42.8%            |
| SAU801261     | MGE100446       | 26%      | 92.3%          | 76.2%            |
| SAU801261     | MPN100205       | 26%      | 87.7%          | 72.2%            |
| SAU801261     | NGO100817       | 42%      | 43.1%          | 43.0%            |
| SAU801261     | NME200077       | 29%      | 96.2%          | 95.5%            |
| SAU801261     | PMU101990       | 37%      | 63.1%          | 60.6%            |
| SAU801261     | PRT101751       | 35%      | 86.2%          | 73.9%            |
| SAU801261     | PAE202534       | 28%      | 96.5%          | 82.6%            |
| SAU801261     | PPU101140       | 31%      | 98.8%          | 96.7%            |
| SAU801261     | PSY104366       | 32%      | 98.8%          | 96.7%            |
| SAU801261     | SPA101726       | 45%      | 51.9%          | 54.4%            |
| SAU801261     | STY103875       | 45%      | 51.9%          | 47.4%            |
| SAU801261     | STM103588       | 45%      | 51.9%          | 47.4%            |
| SAU801261     | SAU801261       | 100%     | 100%           | 100%             |
| SAU801261     | SEP201554       | 86%      | 100%           | 100%             |
| SAU801261     | SHA100718       | 86%      | 99.6%          | 99.6%            |
| SAU801261     | SMU101086       | 41%      | 97.7%          | 98.1%            |
| SAU801261     | SPN400241       | 39%      | 98.1%          | 97.0%            |
| SAU801261     | SPY201512       | 40%      | 98.1%          | 98.5%            |
| SAU801261     | TPA100595       | 27%      | 84.6%          | 81.2%            |
| SAU801261     | UUR100517       | 30%      | 66.9%          | 56.3%            |
| SAU801261     | VCH102221       | 44%      | 49.2%          | 46.1%            |
| SAU801261     | YPS001137       | 33%      | 90%            | 78.0%            |
| SAU801263     | ABA100529       | 45%      | 98.1%          | 99.1%            |
| SAU801263     | BAN100354       | 53%      | 98.9%          | 99.6%            |
| SAU801263     | BAN103931       | 58%      | 98.9%          | 99.5%            |
| SAU801263     | BFR100495       | 27%      | 33.7%          | 4.4%             |
| SAU801263     | BPT102439       | 44%      | 99.8%          | 100%             |
| SAU801263     | BCE111561       | 55%      | 39.0%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801263     | BFU106495       | 45%      | 99.1%          | 98.8%            |
| SAU801263     | BMA104091       | 45%      | 99.1%          | 98.8%            |
| SAU801263     | CJU100505       | 40%      | 99.1%          | 99.5%            |
| SAU801263     | CPN200251       | 39%      | 95.6%          | 96.3%            |
| SAU801263     | CTR200662       | 36%      | 98.1%          | 96.7%            |
| SAU801263     | CAC100467       | 50%      | 98.6%          | 97.4%            |
| SAU801263     | CBO100123       | 31%      | 98.6%          | 98.7%            |
| SAU801263     | CDF100404       | 45%      | 13.4%          | 81.9%            |
| SAU801263     | CDF100250       | 47%      | 97.9%          | 97.2%            |
| SAU801263     | CDP100483       | 39%      | 95.1%          | 95.4%            |
| SAU801263     | EBC102546       | 44%      | 98.1%          | 98.6%            |
| SAU801263     | EFA200454       | 56%      | 98.8%          | 98.3%            |
| SAU801263     | EFM201684       | 55%      | 98.6%          | 98.6%            |
| SAU801263     | ECO100194       | 44%      | 99.1%          | 99.5%            |
| SAU801263     | HIN100709       | 44%      | 99.8%          | 100%             |
| SAU801263     | HPY100234       | 42%      | 93.7%          | 93.8%            |
| SAU801263     | KPN301911       | 46%      | 93.7%          | 97.8%            |
| SAU801263     | LPN102483       | 44%      | 16.6%          | 100%             |
| SAU801263     | LMO100624       | 59%      | 98.6%          | 98.8%            |
| SAU801263     | MCA101839       | 45%      | 98.4%          | 99.8%            |
| SAU801263     | MAV102826       | 40%      | 96.5%          | 97.1%            |
| SAU801263     | MBV103229       | 39%      | 96.5%          | 97.1%            |
| SAU801263     | MTU202807       | 40%      | 96.8%          | 96.7%            |
| SAU801263     | MGE100289       | 25%      | 19.8%          | 24.6%            |
| SAU801263     | NGO100106       | 49%      | 98.8%          | 99.1%            |
| SAU801263     | NME201412       | 49%      | 98.8%          | 99.1%            |
| SAU801263     | PMU101370       | 45%      | 99.3%          | 99.6%            |
| SAU801263     | PRT101177       | 47%      | 98.6%          | 99.1%            |
| SAU801263     | PAE200955       | 48%      | 99.1%          | 99.5%            |
| SAU801263     | PPU108855       | 47%      | 94.9%          | 98.4%            |
| SAU801263     | PSY105509       | 46%      | 99.1%          | 99.5%            |
| SAU801263     | SPA100809       | 43%      | 98.1%          | 100%             |
| SAU801263     | STY103990       | 45%      | 98.1%          | 98.4%            |
| SAU801263     | SAU801263       | 100%     | 100%           | 100%             |
| SAU801263     | SEP201556       | 82%      | 100%           | 100%             |
| SAU801263     | SHA101150       | 83%      | 99.8%          | 99.8%            |
| SAU801263     | SMU101082       | 47%      | 98.8%          | 99.4%            |
| SAU801263     | SPN400243       | 48%      | 98.6%          | 99.0%            |
| SAU801263     | SPY201510       | 47%      | 98.6%          | 98.9%            |
| SAU801263     | TPA100158       | 38%      | 93.1%          | 93.4%            |
| SAU801263     | VCH100859       | 45%      | 99.1%          | 99.6%            |
| SAU801263     | YPS002005       | 44%      | 99.1%          | 99.5%            |
| SAU801264     | BAN108834       | 41%      | 90.5%          | 99.1%            |
| SAU801264     | BAN108033       | 59%      | 99.9%          | 100%             |
| SAU801264     | CAC101590       | 45%      | 93.0%          | 95.0%            |
| SAU801264     | CBO102746       | 46%      | 95.2%          | 94.8%            |
| SAU801264     | CDF103797       | 46%      | 99.4%          | 99.9%            |
| SAU801264     | EFA200457       | 54%      | 99.9%          | 99.9%            |
| SAU801264     | EFM200946       | 55%      | 99.4%          | 99.4%            |
| SAU801264     | LMO102727       | 57%      | 99.6%          | 99.5%            |
| SAU801264     | MGE100031       | 37%      | 87.1%          | 89.7%            |
| SAU801264     | MPN100120       | 37%      | 85.5%          | 86.1%            |
| SAU801264     | SAU801264       | 100%     | 100%           | 100%             |
| SAU801264     | SEP201557       | 90%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801264     | SHA103204       | 91%      | 100%           | 100%             |
| SAU801264     | SMU101474       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | SPN400251       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | SPY201509       | 49%      | 99.4%          | 99.5%            |
| SAU801264     | UUR100379       | 39%      | 83.1%          | 84.4%            |
| SAU801269     | ABA104593       | 42%      | 95.9%          | 77.4%            |
| SAU801269     | BAN113310       | 47%      | 98.2%          | 98.0%            |
| SAU801269     | BAN110029       | 65%      | 100%           | 100%             |
| SAU801269     | BFR11714        | 43%      | 99.0%          | 73.5%            |
| SAU801269     | BPT100248       | 47%      | 91.6%          | 73.7%            |
| SAU801269     | BBU100800       | 45%      | 90.6%          | 72.1%            |
| SAU801269     | BCE101969       | 52%      | 82.7%          | 80.2%            |
| SAU801269     | BFU100867       | 50%      | 89.2%          | 63.8%            |
| SAU801269     | BMA109716       | 48%      | 92.8%          | 67.6%            |
| SAU801269     | CJU100125       | 43%      | 15.3%          | 2.2%             |
| SAU801269     | CPN200434       | 41%      | 92.1%          | 74.4%            |
| SAU801269     | CTR200365       | 42%      | 89.8%          | 71.7%            |
| SAU801269     | CAC100425       | 52%      | 100%           | 99.7%            |
| SAU801269     | CBO103185       | 54%      | 100%           | 97.9%            |
| SAU801269     | CDF102888       | 58%      | 81.4%          | 89.3%            |
| SAU801269     | CDP100479       | 50%      | 81.6%          | 96.7%            |
| SAU801269     | EBC101431       | 48%      | 99.6%          | 79.5%            |
| SAU801269     | EFA200621       | 61%      | 9.9%           | 0.9%             |
| SAU801269     | EFM201052       | 62%      | 94.5%          | 95.8%            |
| SAU801269     | ECO103100       | 48%      | 99.6%          | 77.3%            |
| SAU801269     | HIN101252       | 47%      | 100%           | 84.8%            |
| SAU801269     | HPY101031       | 44%      | 94.6%          | 68.3%            |
| SAU801269     | KPN301426       | 48%      | 99.0%          | 83.6%            |
| SAU801269     | LPN102343       | 53%      | 61.6%          | 99.5%            |
| SAU801269     | LMO100282       | 63%      | 100%           | 99.9%            |
| SAU801269     | MCA100802       | 46%      | 93.8%          | 75.8%            |
| SAU801269     | MAV100286       | 48%      | 81.6%          | 96.1%            |
| SAU801269     | MBV104310       | 50%      | 61.6%          | 99.8%            |
| SAU801269     | MLP100953       | 49%      | 81.6%          | 63.4%            |
| SAU801269     | MTU202801       | 49%      | 81.6%          | 65.1%            |
| SAU801269     | MGE100144       | 46%      | 81.8%          | 92.9%            |
| SAU801269     | MPN100676       | 42%      | 86.4%          | 99.4%            |
| SAU801269     | NGO101494       | 47%      | 93.2%          | 84.0%            |
| SAU801269     | NME201748       | 48%      | 92.1%          | 68.2%            |
| SAU801269     | PMU100759       | 46%      | 100%           | 84.2%            |
| SAU801269     | PRT102425       | 52%      | 90.5%          | 68.3%            |
| SAU801269     | PAE204740       | 48%      | 92.9%          | 77.4%            |
| SAU801269     | PPU108488       | 46%      | 94.9%          | 79.4%            |
| SAU801269     | PSY104832       | 51%      | 78.6%          | 99.6%            |
| SAU801269     | SPA101256       | 53%      | 65.4%          | 99.6%            |
| SAU801269     | STY101473       | 48%      | 99.6%          | 77.1%            |
| SAU801269     | SAU801269       | 100%     | 100%           | 100%             |
| SAU801269     | SEP201562       | 87%      | 100%           | 98.9%            |
| SAU801269     | SHA100514       | 87%      | 100%           | 98.9%            |
| SAU801269     | SMU100784       | 57%      | 16.0%          | 4.6%             |
| SAU801269     | SPN400481       | 56%      | 16.2%          | 3.2%             |
| SAU801269     | SPY201321       | 55%      | 15.5%          | 10.2%            |
| SAU801269     | TPA100881       | 49%      | 87.7%          | 74.0%            |
| SAU801269     | UUR100322       | 48%      | 85.2%          | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801269     | VCH100631       | 48%      | 99.6%          | 76.8%            |
| SAU801269     | YPS001051       | 49%      | 96.9%          | 75.1%            |
| SAU801273     | ABA104153       | 55%      | 100%           | 100%             |
| SAU801273     | BAN112139       | 78%      | 100%           | 100%             |
| SAU801273     | BAN112261       | 78%      | 100%           | 100%             |
| SAU801273     | BFR101219       | 61%      | 34.8%          | 96.9%            |
| SAU801273     | BPT102559       | 51%      | 100%           | 100%             |
| SAU801273     | BBU100803       | 50%      | 97.8%          | 98.9%            |
| SAU801273     | BCE114521       | 53%      | 100%           | 100%             |
| SAU801273     | BFU106341       | 53%      | 98.9%          | 97.8%            |
| SAU801273     | BMA104593       | 53%      | 100%           | 100%             |
| SAU801273     | CJU100816       | 48%      | 98.9%          | 97.8%            |
| SAU801273     | CPN200838       | 49%      | 100%           | 100%             |
| SAU801273     | CTR200226       | 49%      | 100%           | 100%             |
| SAU801273     | CAC101338       | 58%      | 97.8%          | 100%             |
| SAU801273     | CBO102464       | 59%      | 100%           | 85.6%            |
| SAU801273     | CDF100875       | 71%      | 92.1%          | 96.5%            |
| SAU801273     | CDP100449       | 60%      | 100%           | 100%             |
| SAU801273     | EBC103888       | 55%      | 100%           | 100%             |
| SAU801273     | EFA202022       | 77%      | 100%           | 100%             |
| SAU801273     | EFM202414       | 76%      | 100%           | 100%             |
| SAU801273     | ECO103097       | 55%      | 100%           | 100%             |
| SAU801273     | HIN101437       | 53%      | 100%           | 100%             |
| SAU801273     | HIN101294       | 53%      | 100%           | 100%             |
| SAU801273     | HPY101023       | 50%      | 98.9%          | 97.8%            |
| SAU801273     | KPN301430       | 56%      | 100%           | 100%             |
| SAU801273     | LPN100705       | 45%      | 69.7%          | 95.4%            |
| SAU801273     | LMO101938       | 80%      | 100%           | 100%             |
| SAU801273     | MCA100389       | 53%      | 100%           | 100%             |
| SAU801273     | MAV100300       | 57%      | 100%           | 100%             |
| SAU801273     | MBV101245       | 59%      | 100%           | 100%             |
| SAU801273     | MLP100514       | 60%      | 100%           | 100%             |
| SAU801273     | MTU202747       | 59%      | 100%           | 100%             |
| SAU801273     | MGE100434       | 45%      | 91.0%          | 94.2%            |
| SAU801273     | MPN100220       | 44%      | 91.0%          | 94.2%            |
| SAU801273     | NGO100722       | 52%      | 100%           | 100%             |
| SAU801273     | NME200754       | 52%      | 100%           | 100%             |
| SAU801273     | PMU100301       | 53%      | 100%           | 100%             |
| SAU801273     | PRT102435       | 57%      | 100%           | 100%             |
| SAU801273     | PAE204737       | 56%      | 100%           | 100%             |
| SAU801273     | PPU105055       | 56%      | 100%           | 100%             |
| SAU801273     | PSY104828       | 55%      | 70.8%          | 100%             |
| SAU801273     | SPA101259       | 51%      | 100%           | 100%             |
| SAU801273     | STY101470       | 53%      | 100%           | 100%             |
| SAU801273     | SAU801273       | 100%     | 100%           | 100%             |
| SAU801273     | SEP201566       | 93%      | 100%           | 100%             |
| SAU801273     | SHA100171       | 94%      | 100%           | 100%             |
| SAU801273     | SMU101327       | 65%      | 100%           | 100%             |
| SAU801273     | SPN401466       | 67%      | 100%           | 100%             |
| SAU801273     | SPY201503       | 65%      | 100%           | 100%             |
| SAU801273     | TPA100877       | 48%      | 100%           | 100%             |
| SAU801273     | UUR100204       | 44%      | 98.9%          | 98.9%            |
| SAU801273     | VCH100634       | 59%      | 100%           | 100%             |
| SAU801273     | YPS006344       | 53%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801274     | ABA106110       | 46%      | 98.6%          | 98.3%            |
| SAU801274     | BAN109088       | 42%      | 99.7%          | 98.9%            |
| SAU801274     | BAN100469       | 66%      | 99.7%          | 97.3%            |
| SAU801274     | BFR11379        | 47%      | 97.9%          | 89.2%            |
| SAU801274     | BPT102560       | 49%      | 99.0%          | 96.5%            |
| SAU801274     | BBU100804       | 45%      | 98.3%          | 98.6%            |
| SAU801274     | BCE107587       | 48%      | 99.1%          | 97.3%            |
| SAU801274     | BFU106344       | 47%      | 99.1%          | 97.2%            |
| SAU801274     | BMA106616       | 48%      | 97.7%          | 89.6%            |
| SAU801274     | CJU101178       | 41%      | 95.7%          | 96.9%            |
| SAU801274     | CPN200839       | 46%      | 98.1%          | 98.3%            |
| SAU801274     | CTR200225       | 46%      | 98.0%          | 98.1%            |
| SAU801274     | CAC102635       | 52%      | 98.3%          | 97.3%            |
| SAU801274     | CBO102281       | 52%      | 98.3%          | 97.6%            |
| SAU801274     | CDF100877       | 56%      | 99.3%          | 98.4%            |
| SAU801274     | CDP100447       | 44%      | 97.4%          | 95.2%            |
| SAU801274     | EBC103885       | 49%      | 99.1%          | 96.8%            |
| SAU801274     | EFA202028       | 62%      | 99.3%          | 98.6%            |
| SAU801274     | EFM200260       | 62%      | 99.3%          | 94.3%            |
| SAU801274     | ECO103096       | 49%      | 99.1%          | 93.9%            |
| SAU801274     | HIN100220       | 48%      | 98.3%          | 96.3%            |
| SAU801274     | HPY101196       | 38%      | 95.0%          | 96.2%            |
| SAU801274     | KPN301429       | 49%      | 99.1%          | 96.9%            |
| SAU801274     | LPN101324       | 50%      | 97.1%          | 92.6%            |
| SAU801274     | LMO100657       | 66%      | 99.6%          | 96.0%            |
| SAU801274     | MCA100390       | 49%      | 98.4%          | 98.7%            |
| SAU801274     | MAV100299       | 44%      | 96.8%          | 93.7%            |
| SAU801274     | MBV101241       | 45%      | 96.8%          | 94.0%            |
| SAU801274     | MLP100515       | 43%      | 96.8%          | 91.8%            |
| SAU801274     | MTU202745       | 45%      | 96.8%          | 94.0%            |
| SAU801274     | NGO102045       | 49%      | 99.7%          | 98.3%            |
| SAU801274     | NME200892       | 49%      | 99.3%          | 98.0%            |
| SAU801274     | PMU101114       | 48%      | 97.3%          | 95.1%            |
| SAU801274     | PRT102434       | 48%      | 98.3%          | 96.3%            |
| SAU801274     | PAE204736       | 50%      | 97.0%          | 96.4%            |
| SAU801274     | PPU105054       | 50%      | 98.3%          | 97.9%            |
| SAU801274     | PSY104827       | 47%      | 83.7%          | 97.8%            |
| SAU801274     | SPA101063       | 45%      | 11.7%          | 55.2%            |
| SAU801274     | STY100979       | 49%      | 98.6%          | 96.3%            |
| SAU801274     | SAU801274       | 100%     | 100%           | 100%             |
| SAU801274     | SEP201567       | 91%      | 100%           | 99.6%            |
| SAU801274     | SHA100393       | 52%      | 26.6%          | 100%             |
| SAU801274     | SHA101099       | 91%      | 99.1%          | 100%             |
| SAU801274     | SMU101329       | 58%      | 99.1%          | 94.9%            |
| SAU801274     | SPN400516       | 57%      | 99.1%          | 89.4%            |
| SAU801274     | SPY201498       | 58%      | 99.1%          | 97.6%            |
| SAU801274     | TPA100876       | 44%      | 97.0%          | 96.0%            |
| SAU801274     | VCH100635       | 49%      | 99.6%          | 97.7%            |
| SAU801274     | YPS001047       | 49%      | 98.0%          | 96.6%            |
| SAU801275     | BAN106546       | 41%      | 99.3%          | 99.1%            |
| SAU801275     | BAN109546       | 51%      | 99.3%          | 99.6%            |
| SAU801275     | EFA200747       | 46%      | 98.9%          | 97.9%            |
| SAU801275     | EFM200896       | 45%      | 98.0%          | 97.5%            |
| SAU801275     | LMO100794       | 51%      | 99.1%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801275     | SAU801275       | 100%     | 100%           | 100%             |
| SAU801275     | SEP201568       | 93%      | 100%           | 97.4%            |
| SAU801275     | SHA101100       | 91%      | 100%           | 98.1%            |
| SAU801275     | SMU100333       | 43%      | 98.4%          | 99.5%            |
| SAU801275     | SPN400538       | 40%      | 98.2%          | 99.3%            |
| SAU801275     | SPY200771       | 43%      | 98.4%          | 99.5%            |
| SAU801279     | ABA105498       | 21%      | 96.5%          | 45.3%            |
| SAU801279     | BAN107286       | 44%      | 97.0%          | 97.2%            |
| SAU801279     | BAN100894       | 46%      | 97.0%          | 97.0%            |
| SAU801279     | BFR10509        | 27%      | 47.2%          | 47.2%            |
| SAU801279     | BPT103765       | 24%      | 96.5%          | 44.3%            |
| SAU801279     | BBU100535       | 29%      | 58.9%          | 27.4%            |
| SAU801279     | CJU100744       | 22%      | 85.3%          | 86.1%            |
| SAU801279     | CPN200887       | 23%      | 44.6%          | 19.9%            |
| SAU801279     | CTR200185       | 25%      | 46.0%          | 20.6%            |
| SAU801279     | CAC101568       | 23%      | 67.3%          | 32.7%            |
| SAU801279     | CBO100728       | 23%      | 95.3%          | 88.2%            |
| SAU801279     | CDF103715       | 39%      | 99.8%          | 98.8%            |
| SAU801279     | EBC102726       | 21%      | 45.1%          | 26.4%            |
| SAU801279     | EFA201528       | 41%      | 96.7%          | 95.9%            |
| SAU801279     | EFM200625       | 40%      | 97.0%          | 97.2%            |
| SAU801279     | ECO101465       | 27%      | 53.0%          | 25.5%            |
| SAU801279     | HIN101334       | 23%      | 52.6%          | 24.6%            |
| SAU801279     | HPY100995       | 22%      | 85.0%          | 81.1%            |
| SAU801279     | KPN305142       | 22%      | 45.8%          | 21.1%            |
| SAU801279     | LPN100962       | 22%      | 64.5%          | 79.0%            |
| SAU801279     | LMO100434       | 41%      | 97.9%          | 97.2%            |
| SAU801279     | MCA101028       | 25%      | 58.6%          | 52.1%            |
| SAU801279     | MAV100298       | 29%      | 38.8%          | 37.2%            |
| SAU801279     | MBV101239       | 26%      | 39.7%          | 39.7%            |
| SAU801279     | MLP100516       | 27%      | 48.4%          | 47.6%            |
| SAU801279     | MTU202744       | 26%      | 39.7%          | 39.7%            |
| SAU801279     | PMU100804       | 23%      | 65.4%          | 30.8%            |
| SAU801279     | PRT105970       | 25%      | 49.5%          | 22.9%            |
| SAU801279     | PAE200371       | 23%      | 91.8%          | 91.0%            |
| SAU801279     | PPU102118       | 22%      | 82.9%          | 81.4%            |
| SAU801279     | PSY102770       | 23%      | 82.9%          | 81.6%            |
| SAU801279     | SPA102439       | 19%      | 55.1%          | 23.9%            |
| SAU801279     | SAU801279       | 100%     | 100%           | 100%             |
| SAU801279     | SEP201578       | 79%      | 99.8%          | 99.5%            |
| SAU801279     | SHA100451       | 80%      | 99.8%          | 99.8%            |
| SAU801279     | SMU101391       | 29%      | 95.3%          | 94.4%            |
| SAU801279     | SPN402026       | 33%      | 94.6%          | 93.7%            |
| SAU801279     | SPY201681       | 31%      | 93.7%          | 93.2%            |
| SAU801279     | TPA100024       | 23%      | 34.8%          | 16.7%            |
| SAU801279     | VCH100544       | 22%      | 93.0%          | 41.7%            |
| SAU801279     | YPS001083       | 21%      | 46.7%          | 20.8%            |
| SAU801280     | BAN105196       | 34%      | 98.7%          | 100%             |
| SAU801280     | BAN100845       | 38%      | 98.7%          | 97.9%            |
| SAU801280     | LMO101523       | 37%      | 98.3%          | 96.3%            |
| SAU801280     | SAU801280       | 100%     | 100%           | 100%             |
| SAU801280     | SEP201580       | 64%      | 100%           | 100%             |
| SAU801280     | SHA100452       | 66%      | 100%           | 100%             |
| SAU801281     | BAN104875       | 55%      | 86.2%          | 97.1%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801281     | BAN100345       | 62%      | 93.8%          | 98.9%            |
| SAU801281     | SAU801281       | 100%     | 100%           | 100%             |
| SAU801281     | SEP201582       | 89%      | 100%           | 100%             |
| SAU801281     | SHA102814       | 88%      | 100%           | 100%             |
| SAU801282     | ABA105298       | 26%      | 57.7%          | 28.1%            |
| SAU801282     | BAN100109       | 25%      | 93.8%          | 38.1%            |
| SAU801282     | BAN102965       | 26%      | 96.2%          | 42.2%            |
| SAU801282     | BPT104503       | 26%      | 53.1%          | 41.1%            |
| SAU801282     | BCE107711       | 25%      | 57.7%          | 22.2%            |
| SAU801282     | BFU107885       | 25%      | 57.7%          | 20.3%            |
| SAU801282     | BMA105226       | 26%      | 55.4%          | 20%              |
| SAU801282     | CPN200766       | 30%      | 53.1%          | 48.3%            |
| SAU801282     | CTR200272       | 19%      | 97.7%          | 86.8%            |
| SAU801282     | EFA201529       | 38%      | 57.7%          | 26.0%            |
| SAU801282     | EFM201058       | 29%      | 93.8%          | 44.9%            |
| SAU801282     | ECO203392       | 26%      | 61.5%          | 23.7%            |
| SAU801282     | HIN100346       | 20%      | 78.5%          | 29.0%            |
| SAU801282     | LPN100742       | 21%      | 50%            | 34.4%            |
| SAU801282     | LMO100900       | 31%      | 77.7%          | 30.7%            |
| SAU801282     | PMU102009       | 21%      | 88.5%          | 36.8%            |
| SAU801282     | PAE203801       | 25%      | 94.6%          | 31.7%            |
| SAU801282     | PPU101372       | 23%      | 87.7%          | 31.3%            |
| SAU801282     | STY101725       | 23%      | 87.7%          | 35.8%            |
| SAU801282     | SAU801282       | 100%     | 100%           | 100%             |
| SAU801282     | SEP201584       | 62%      | 99.2%          | 99.2%            |
| SAU801282     | SHA100455       | 69%      | 53.1%          | 100%             |
| SAU801282     | SPN402025       | 29%      | 93.8%          | 46.0%            |
| SAU801282     | SPY201680       | 27%      | 76.2%          | 24.6%            |
| SAU801282     | TPA100330       | 34%      | 56.2%          | 18.0%            |
| SAU801282     | VCH100745       | 30%      | 53.8%          | 17.8%            |
| SAU801282     | YPS003236       | 24%      | 87.7%          | 33.6%            |
| SAU801286     | BAN101235       | 48%      | 99.6%          | 99.8%            |
| SAU801286     | BAN102202       | 68%      | 99.2%          | 99.6%            |
| SAU801286     | BFR11955        | 42%      | 99.0%          | 99.8%            |
| SAU801286     | BBU100503       | 45%      | 98.5%          | 98.4%            |
| SAU801286     | BCE102283       | 25%      | 13.9%          | 34.8%            |
| SAU801286     | CJU101134       | 43%      | 99.6%          | 100%             |
| SAU801286     | CTR200895       | 25%      | 24.1%          | 28.6%            |
| SAU801286     | CAC102280       | 58%      | 99.8%          | 99.2%            |
| SAU801286     | CBO100216       | 49%      | 45.7%          | 98.7%            |
| SAU801286     | CDF100051       | 76%      | 21.8%          | 93.4%            |
| SAU801286     | CDF100869       | 58%      | 99.2%          | 97.7%            |
| SAU801286     | EBC104561       | 30%      | 16.2%          | 13.2%            |
| SAU801286     | EFA201506       | 65%      | 99.6%          | 99.8%            |
| SAU801286     | EFM100483       | 63%      | 97.7%          | 100%             |
| SAU801286     | HIN100903       | 33%      | 15.8%          | 12.9%            |
| SAU801286     | HPY100747       | 38%      | 84.4%          | 92.0%            |
| SAU801286     | KPN108885       | 24%      | 27.7%          | 83.9%            |
| SAU801286     | LMO101581       | 68%      | 99.4%          | 99.2%            |
| SAU801286     | MAV108578       | 40%      | 11.2%          | 13.0%            |
| SAU801286     | MBV102427       | 23%      | 32.2%          | 70.2%            |
| SAU801286     | MLP100500       | 30%      | 17.5%          | 22.1%            |
| SAU801286     | MTU201661       | 23%      | 32.2%          | 64.9%            |
| SAU801286     | MGE100132       | 26%      | 46.2%          | 49.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801286     | MPN100564       | 26%      | 47.2%          | 50.5%            |
| SAU801286     | SAU801286       | 100%     | 100%           | 100%             |
| SAU801286     | SEP201589       | 93%      | 100%           | 100%             |
| SAU801286     | SHA101288       | 93%      | 100%           | 100%             |
| SAU801286     | SMU101495       | 54%      | 99.6%          | 100%             |
| SAU801286     | SPN401582       | 54%      | 100%           | 100%             |
| SAU801286     | SPY201258       | 52%      | 99.6%          | 100%             |
| SAU801286     | TPA101008       | 49%      | 98.5%          | 99.2%            |
| SAU801286     | UUR100083       | 32%      | 81.9%          | 88.2%            |
| SAU801296     | ABA100502       | 35%      | 99.7%          | 87.6%            |
| SAU801296     | BAN112441       | 36%      | 98.6%          | 89.0%            |
| SAU801296     | BAN105004       | 46%      | 100%           | 88.8%            |
| SAU801296     | BFR102385       | 34%      | 99.5%          | 87.7%            |
| SAU801296     | BPT102145       | 34%      | 99.7%          | 84.4%            |
| SAU801296     | BBU100796       | 29%      | 99.2%          | 88.1%            |
| SAU801296     | BCE113665       | 36%      | 83.9%          | 86.0%            |
| SAU801296     | BFU100247       | 52%      | 18.9%          | 64.9%            |
| SAU801296     | BMA101183       | 35%      | 91.6%          | 77.6%            |
| SAU801296     | CPN200903       | 35%      | 88.4%          | 85.3%            |
| SAU801296     | CTR200169       | 34%      | 88.8%          | 86.5%            |
| SAU801296     | CAC101879       | 43%      | 100%           | 88.6%            |
| SAU801296     | CBO101875       | 42%      | 100%           | 89.3%            |
| SAU801296     | CDF101333       | 41%      | 100%           | 88.6%            |
| SAU801296     | EBC104328       | 36%      | 88.8%          | 85.7%            |
| SAU801296     | EFA201508       | 50%      | 99.9%          | 88.2%            |
| SAU801296     | EFM202291       | 49%      | 99.9%          | 88.5%            |
| SAU801296     | ECO102673       | 37%      | 88.8%          | 81.2%            |
| SAU801296     | HIN100686       | 36%      | 93.7%          | 84.7%            |
| SAU801296     | KPN300176       | 27%      | 15.8%          | 80.9%            |
| SAU801296     | KPN303856       | 36%      | 88.8%          | 81.2%            |
| SAU801296     | LPN100294       | 46%      | 29.6%          | 76.8%            |
| SAU801296     | LMO102476       | 52%      | 99.9%          | 88.5%            |
| SAU801296     | NGO100025       | 34%      | 99.9%          | 88.8%            |
| SAU801296     | NME200231       | 35%      | 99.9%          | 88.0%            |
| SAU801296     | PMU101830       | 35%      | 99.4%          | 87.8%            |
| SAU801296     | PRT104418       | 35%      | 99.4%          | 87.2%            |
| SAU801296     | PAE203618       | 35%      | 89.0%          | 81.4%            |
| SAU801296     | PPU106720       | 34%      | 99.7%          | 88.1%            |
| SAU801296     | PSY104425       | 36%      | 89.0%          | 81.4%            |
| SAU801296     | SPA101071       | 34%      | 87.6%          | 92.6%            |
| SAU801296     | STY103352       | 37%      | 88.8%          | 81.1%            |
| SAU801296     | STM103830       | 37%      | 88.8%          | 81.1%            |
| SAU801296     | SAU801296       | 100%     | 100%           | 100%             |
| SAU801296     | SEP201609       | 79%      | 100%           | 88.4%            |
| SAU801296     | SHA101666       | 82%      | 88.2%          | 87.8%            |
| SAU801296     | SMU101244       | 43%      | 99.9%          | 88.2%            |
| SAU801296     | SPN401885       | 43%      | 99.9%          | 86.8%            |
| SAU801296     | SPY201640       | 42%      | 99.9%          | 88.2%            |
| SAU801296     | TPA100324       | 34%      | 100%           | 87.8%            |
| SAU801296     | VCH100525       | 37%      | 88.6%          | 80.5%            |
| SAU801296     | YPS000071       | 38%      | 88.8%          | 81.4%            |
| SAU801297     | ABA100436       | 30%      | 99.4%          | 98.3%            |
| SAU801297     | BAN110763       | 44%      | 97.5%          | 100%             |
| SAU801297     | BAN112909       | 46%      | 99.9%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801297     | BFR100255       | 29%      | 98.7%          | 98.9%            |
| SAU801297     | BPT102215       | 35%      | 99.3%          | 98.7%            |
| SAU801297     | BBU100210       | 30%      | 99.7%          | 99.8%            |
| SAU801297     | BCE101069       | 39%      | 99.3%          | 96.4%            |
| SAU801297     | BFU105240       | 39%      | 99.3%          | 95.2%            |
| SAU801297     | BMA108596       | 38%      | 99.3%          | 95.5%            |
| SAU801297     | CPN201040       | 31%      | 87.0%          | 86.4%            |
| SAU801297     | CTR200853       | 35%      | 48.7%          | 56.6%            |
| SAU801297     | CAC102986       | 33%      | 99.6%          | 99.7%            |
| SAU801297     | CBO103041       | 32%      | 99.9%          | 99.8%            |
| SAU801297     | CDF101334       | 34%      | 98.2%          | 98.0%            |
| SAU801297     | EBC102001       | 41%      | 96.4%          | 96.1%            |
| SAU801297     | EFA201509       | 43%      | 99.9%          | 99.4%            |
| SAU801297     | EFM201334       | 45%      | 99.9%          | 99.4%            |
| SAU801297     | ECO104060       | 38%      | 49.2%          | 54.5%            |
| SAU801297     | HIN100066       | 28%      | 83.0%          | 84.3%            |
| SAU801297     | KPN300048       | 43%      | 25.0%          | 99.4%            |
| SAU801297     | KPN301336       | 39%      | 50.4%          | 55.4%            |
| SAU801297     | LPN100571       | 38%      | 48.9%          | 57.3%            |
| SAU801297     | LMO100388       | 49%      | 99.6%          | 99.3%            |
| SAU801297     | NGO100175       | 31%      | 99.7%          | 99.7%            |
| SAU801297     | NME201515       | 30%      | 99.7%          | 99.7%            |
| SAU801297     | PMU100904       | 40%      | 48.0%          | 52.8%            |
| SAU801297     | PRT104001       | 28%      | 92.1%          | 91.9%            |
| SAU801297     | PAE204941       | 39%      | 99.4%          | 98.9%            |
| SAU801297     | PPU106702       | 40%      | 99.4%          | 98.9%            |
| SAU801297     | PSY101062       | 40%      | 99.4%          | 96.4%            |
| SAU801297     | SPA101227       | 48%      | 28.4%          | 73.3%            |
| SAU801297     | STY103745       | 40%      | 47.8%          | 53.4%            |
| SAU801297     | STM103526       | 40%      | 47.8%          | 53.4%            |
| SAU801297     | SAU801297       | 100%     | 100%           | 100%             |
| SAU801297     | SEP201920       | 75%      | 100%           | 100%             |
| SAU801297     | SHA101443       | 75%      | 100%           | 100%             |
| SAU801297     | SMU101239       | 42%      | 99.9%          | 98.0%            |
| SAU801297     | SPN400160       | 40%      | 99.9%          | 98.0%            |
| SAU801297     | SPY201621       | 41%      | 99.9%          | 98.0%            |
| SAU801297     | TPA100300       | 34%      | 99.3%          | 94.3%            |
| SAU801297     | UUR100579       | 22%      | 24.8%          | 33.6%            |
| SAU801297     | VCH100340       | 29%      | 87.9%          | 88.4%            |
| SAU801297     | YPS003494       | 39%      | 47.8%          | 51.8%            |
| SAU801301     | ABA103732       | 60%      | 98.8%          | 98.0%            |
| SAU801301     | BAN107568       | 66%      | 41.6%          | 93.2%            |
| SAU801301     | BAN110463       | 78%      | 79.1%          | 99.5%            |
| SAU801301     | BPT102742       | 50%      | 98.6%          | 97.2%            |
| SAU801301     | BBU100240       | 56%      | 97.8%          | 97.2%            |
| SAU801301     | BCE105610       | 30%      | 96.6%          | 95.3%            |
| SAU801301     | BFU103471       | 55%      | 99.2%          | 98.8%            |
| SAU801301     | BMA108603       | 55%      | 99.2%          | 95.2%            |
| SAU801301     | CAC100927       | 58%      | 99.0%          | 99.2%            |
| SAU801301     | CBO103256       | 63%      | 98.2%          | 96.1%            |
| SAU801301     | CDF103106       | 63%      | 99.8%          | 98.2%            |
| SAU801301     | CDP100653       | 50%      | 98.4%          | 98.2%            |
| SAU801301     | EBC104504       | 61%      | 98.2%          | 97.4%            |
| SAU801301     | EFA202255       | 64%      | 99.4%          | 98.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801301     | EFM201617       | 62%      | 96.2%          | 99.8%            |
| SAU801301     | ECO103832       | 61%      | 99.4%          | 98.6%            |
| SAU801301     | HIN100672       | 58%      | 98.2%          | 97.2%            |
| SAU801301     | HPY200804       | 33%      | 10.8%          | 19.2%            |
| SAU801301     | KPN300967       | 61%      | 98.2%          | 97.2%            |
| SAU801301     | LPN100925       | 47%      | 97.6%          | 98.0%            |
| SAU801301     | LMO101597       | 69%      | 99.4%          | 99.6%            |
| SAU801301     | MAV103198       | 51%      | 98.4%          | 97.6%            |
| SAU801301     | MBV104620       | 51%      | 98.2%          | 99%              |
| SAU801301     | MLP101379       | 50%      | 98.4%          | 97.6%            |
| SAU801301     | MTU203642       | 51%      | 98.2%          | 95.7%            |
| SAU801301     | MGE100038       | 47%      | 99.4%          | 98.6%            |
| SAU801301     | MPN100104       | 48%      | 98.6%          | 97.8%            |
| SAU801301     | PMU101446       | 59%      | 99.8%          | 99.0%            |
| SAU801301     | PRT101873       | 60%      | 98.8%          | 96.7%            |
| SAU801301     | PAE203580       | 61%      | 98.8%          | 97.4%            |
| SAU801301     | PPU101510       | 61%      | 98.8%          | 97.4%            |
| SAU801301     | PSY105188       | 60%      | 98.8%          | 97.0%            |
| SAU801301     | SPA101671       | 59%      | 99.4%          | 98.8%            |
| SAU801301     | STY103131       | 61%      | 99.4%          | 98.8%            |
| SAU801301     | SAU801301       | 100%     | 100%           | 100%             |
| SAU801301     | SEP201925       | 86%      | 100%           | 99.8%            |
| SAU801301     | SHA100389       | 86%      | 100%           | 99.8%            |
| SAU801301     | SPN401988       | 63%      | 99.2%          | 98.4%            |
| SAU801301     | SPY201295       | 64%      | 99.8%          | 97.8%            |
| SAU801301     | VCH103465       | 58%      | 99.2%          | 97.8%            |
| SAU801301     | YPS003517       | 39%      | 97.4%          | 97.4%            |
| SAU801303     | BAN106168       | 27%      | 98.4%          | 96.8%            |
| SAU801303     | BAN103220       | 31%      | 98.4%          | 98.7%            |
| SAU801303     | BFR103324       | 24%      | 48.7%          | 37.1%            |
| SAU801303     | CAC101453       | 33%      | 35.2%          | 30.9%            |
| SAU801303     | CBO101891       | 31%      | 100%           | 99.0%            |
| SAU801303     | CDF101626       | 34%      | 39.1%          | 77.8%            |
| SAU801303     | CDP100635       | 25%      | 87.8%          | 85.8%            |
| SAU801303     | EBC103957       | 30%      | 46.4%          | 43.6%            |
| SAU801303     | EFA202448       | 32%      | 98.0%          | 98.4%            |
| SAU801303     | ECO103737       | 28%      | 40.5%          | 37.1%            |
| SAU801303     | HIN100626       | 21%      | 88.5%          | 81.8%            |
| SAU801303     | KPN303520       | 28%      | 46.4%          | 43.6%            |
| SAU801303     | LPN102659       | 25%      | 31.6%          | 31.8%            |
| SAU801303     | LMO101007       | 32%      | 97.4%          | 97.4%            |
| SAU801303     | MCA103128       | 27%      | 88.8%          | 100%             |
| SAU801303     | MAV102145       | 21%      | 90.5%          | 90.3%            |
| SAU801303     | NME300873       | 22%      | 46.7%          | 51.6%            |
| SAU801303     | PAE203299       | 29%      | 98.7%          | 95.6%            |
| SAU801303     | PPU108432       | 29%      | 98.7%          | 96.5%            |
| SAU801303     | SPA101172       | 28%      | 46.4%          | 42.6%            |
| SAU801303     | STY102009       | 30%      | 48.0%          | 44.4%            |
| SAU801303     | STM101115       | 30%      | 48.0%          | 44.4%            |
| SAU801303     | SAU801303       | 100%     | 100%           | 100%             |
| SAU801303     | SEP201929       | 51%      | 100%           | 99.4%            |
| SAU801303     | SHA102823       | 55%      | 98.7%          | 98.0%            |
| SAU801303     | VCH100134       | 26%      | 30.6%          | 28.4%            |
| SAU801303     | YPS001338       | 25%      | 48.0%          | 44.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801310     | ABA100417       | 35%      | 96.9%          | 98.1%            |
| SAU801310     | BAN105748       | 72%      | 98.9%          | 99.3%            |
| SAU801310     | BAN104448       | 75%      | 98.9%          | 99.3%            |
| SAU801310     | BFR11190        | 26%      | 91.0%          | 86.4%            |
| SAU801310     | BPT102675       | 37%      | 97.3%          | 92.8%            |
| SAU801310     | BCE102837       | 39%      | 84.1%          | 85.6%            |
| SAU801310     | BFU101392       | 37%      | 93.0%          | 99.1%            |
| SAU801310     | BMA100200       | 39%      | 84.1%          | 85.6%            |
| SAU801310     | CJU100649       | 38%      | 93.0%          | 93.5%            |
| SAU801310     | CAC103422       | 34%      | 27.6%          | 19.7%            |
| SAU801310     | CBO100732       | 23%      | 85.9%          | 70.9%            |
| SAU801310     | CDF100645       | 29%      | 21.5%          | 19.9%            |
| SAU801310     | CDP100410       | 37%      | 88.8%          | 89.3%            |
| SAU801310     | EBC103135       | 40%      | 88.1%          | 89.3%            |
| SAU801310     | EFA201729       | 71%      | 100%           | 100%             |
| SAU801310     | EFM202549       | 71%      | 100%           | 100%             |
| SAU801310     | ECO103776       | 39%      | 90.6%          | 91.7%            |
| SAU801310     | HIN100845       | 39%      | 88.6%          | 89.2%            |
| SAU801310     | HPY100507       | 36%      | 93.3%          | 93.8%            |
| SAU801310     | KPN301351       | 40%      | 88.1%          | 89.3%            |
| SAU801310     | LPN101888       | 34%      | 97.8%          | 99.1%            |
| SAU801310     | LMO101667       | 75%      | 98.9%          | 99.3%            |
| SAU801310     | MCA100914       | 38%      | 87.2%          | 88.7%            |
| SAU801310     | MAV103088       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | MBV103559       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | MLP100995       | 43%      | 97.8%          | 98.7%            |
| SAU801310     | MTU202188       | 42%      | 97.8%          | 98.7%            |
| SAU801310     | NGO100777       | 38%      | 87.4%          | 82.0%            |
| SAU801310     | NME201965       | 38%      | 87.4%          | 88.8%            |
| SAU801310     | PMU101175       | 38%      | 92.6%          | 92.8%            |
| SAU801310     | PRT102825       | 39%      | 88.1%          | 89.3%            |
| SAU801310     | PAE205114       | 37%      | 95.7%          | 97.4%            |
| SAU801310     | PPU106798       | 36%      | 95.7%          | 97.6%            |
| SAU801310     | PSY103100       | 37%      | 95.7%          | 97.6%            |
| SAU801310     | SPA103892       | 39%      | 90.6%          | 91.7%            |
| SAU801310     | STY103416       | 40%      | 90.6%          | 91.7%            |
| SAU801310     | SAU801310       | 100%     | 100%           | 100%             |
| SAU801310     | SEP201943       | 95%      | 100%           | 100%             |
| SAU801310     | SHA100843       | 94%      | 89.2%          | 100%             |
| SAU801310     | SMU100694       | 66%      | 98.7%          | 99.3%            |
| SAU801310     | SPN400444       | 65%      | 98.7%          | 99.3%            |
| SAU801310     | SPY201446       | 64%      | 98.7%          | 99.3%            |
| SAU801310     | VCH102707       | 38%      | 92.8%          | 93.6%            |
| SAU801310     | YPS001320       | 38%      | 88.8%          | 90.0%            |
| SAU801321     | BAN105583       | 26%      | 97.8%          | 94.7%            |
| SAU801321     | BAN102074       | 29%      | 94.2%          | 90.7%            |
| SAU801321     | CAC102608       | 24%      | 88.4%          | 89.4%            |
| SAU801321     | EFM101112       | 28%      | 53.4%          | 60.4%            |
| SAU801321     | MGE100396       | 23%      | 27.8%          | 76.5%            |
| SAU801321     | SAU801321       | 100%     | 100%           | 100%             |
| SAU801321     | SEP201965       | 50%      | 97.5%          | 97.3%            |
| SAU801321     | SHA102754       | 50%      | 73.0%          | 99.3%            |
| SAU801321     | SMU101032       | 36%      | 61.2%          | 95.7%            |
| SAU801321     | SPN401813       | 30%      | 92.0%          | 91.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801321     | UUR100029       | 23%      | 39.9%          | 56.7%            |
| SAU801322     | BAN105174       | 44%      | 79.5%          | 100%             |
| SAU801322     | BAN104200       | 45%      | 100%           | 100%             |
| SAU801322     | SAU801322       | 100%     | 100%           | 100%             |
| SAU801322     | SEP201967       | 69%      | 100%           | 100%             |
| SAU801322     | SHA100761       | 69%      | 100%           | 100%             |
| SAU801322     | SMU101030       | 49%      | 98%            | 98.5%            |
| SAU801322     | SPN401812       | 50%      | 98.5%          | 99.0%            |
| SAU801330     | BAN111952       | 38%      | 84.9%          | 91.5%            |
| SAU801330     | BAN108525       | 43%      | 90.1%          | 89.2%            |
| SAU801330     | CJU100123       | 26%      | 96.1%          | 98.6%            |
| SAU801330     | CAC103773       | 29%      | 85.5%          | 86.5%            |
| SAU801330     | CBO102527       | 33%      | 88.8%          | 87.7%            |
| SAU801330     | CDF102912       | 34%      | 93.8%          | 93%              |
| SAU801330     | CDP100062       | 31%      | 84.9%          | 84.4%            |
| SAU801330     | EBC102666       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | EFA200377       | 41%      | 96.7%          | 99.3%            |
| SAU801330     | ECO100003       | 26%      | 89.5%          | 90%              |
| SAU801330     | HIN100087       | 30%      | 85.2%          | 86.3%            |
| SAU801330     | HPY101033       | 24%      | 95.7%          | 97.6%            |
| SAU801330     | KPN302083       | 27%      | 89.5%          | 90.3%            |
| SAU801330     | LMO102232       | 39%      | 96.7%          | 99.0%            |
| SAU801330     | MAV106529       | 30%      | 85.5%          | 84.6%            |
| SAU801330     | MBV105500       | 28%      | 86.5%          | 71.7%            |
| SAU801330     | MLP100697       | 30%      | 86.5%          | 84.4%            |
| SAU801330     | MTU201279       | 28%      | 86.5%          | 84.2%            |
| SAU801330     | PMU100114       | 29%      | 85.2%          | 86.3%            |
| SAU801330     | PRT105493       | 28%      | 85.2%          | 86.1%            |
| SAU801330     | SPA100290       | 26%      | 90.1%          | 91.2%            |
| SAU801330     | STY100368       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | STM100041       | 26%      | 89.5%          | 90.3%            |
| SAU801330     | SAU801330       | 100%     | 100%           | 100%             |
| SAU801330     | SEP201983       | 67%      | 99.7%          | 99.0%            |
| SAU801330     | SHA100711       | 70%      | 99.7%          | 99.3%            |
| SAU801330     | SMU100986       | 40%      | 96.7%          | 98.6%            |
| SAU801330     | SPN401217       | 40%      | 96.7%          | 98.6%            |
| SAU801330     | VCH102328       | 30%      | 87.5%          | 87.4%            |
| SAU801330     | YPS000770       | 26%      | 85.2%          | 86.1%            |
| SAU801331     | BAN105201       | 34%      | 98.9%          | 100%             |
| SAU801331     | BAN104169       | 39%      | 98.9%          | 96.7%            |
| SAU801331     | BFR104366       | 30%      | 98.1%          | 94.9%            |
| SAU801331     | BFR11663        | 34%      | 98.9%          | 64.9%            |
| SAU801331     | BPT104731       | 21%      | 89.5%          | 82.6%            |
| SAU801331     | BCE113428       | 44%      | 20.2%          | 60%              |
| SAU801331     | BFU104191       | 25%      | 98.5%          | 96.3%            |
| SAU801331     | CAC103083       | 29%      | 98.9%          | 98.5%            |
| SAU801331     | CBO101559       | 29%      | 98.9%          | 98.5%            |
| SAU801331     | CDF103997       | 30%      | 98.9%          | 96.4%            |
| SAU801331     | EBC104368       | 28%      | 98.5%          | 98.1%            |
| SAU801331     | EFA201290       | 32%      | 98.5%          | 98.9%            |
| SAU801331     | EFM100732       | 29%      | 93.3%          | 98.8%            |
| SAU801331     | ECO103618       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | HIN100003       | 28%      | 98.1%          | 97.7%            |
| SAU801331     | HPY200593       | 32%      | 34.8%          | 45.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801331     | KPN302267       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | LMO102909       | 33%      | 98.5%          | 98.2%            |
| SAU801331     | MCA102858       | 42%      | 26.2%          | 29.3%            |
| SAU801331     | PMU101555       | 25%      | 97.8%          | 94.4%            |
| SAU801331     | PRT100132       | 28%      | 98.5%          | 98.9%            |
| SAU801331     | PAE204955       | 27%      | 50.6%          | 30.3%            |
| SAU801331     | PPU111047       | 27%      | 40.8%          | 27.2%            |
| SAU801331     | SPA101786       | 28%      | 97.8%          | 92.0%            |
| SAU801331     | STY103971       | 28%      | 97.8%          | 97.4%            |
| SAU801331     | STM101116       | 27%      | 98.5%          | 98.5%            |
| SAU801331     | SAU801331       | 100%     | 100%           | 100%             |
| SAU801331     | SEP201985       | 71%      | 100%           | 99.6%            |
| SAU801331     | SHA100712       | 67%      | 100%           | 100%             |
| SAU801331     | SMU101554       | 31%      | 97.8%          | 97.4%            |
| SAU801331     | SPN401169       | 29%      | 97.4%          | 97.4%            |
| SAU801331     | SPY200445       | 30%      | 97.8%          | 97.4%            |
| SAU801331     | UUR100576       | 24%      | 95.9%          | 95.7%            |
| SAU801331     | VCH101344       | 31%      | 98.1%          | 96.3%            |
| SAU801331     | YPS003424       | 30%      | 98.5%          | 98.5%            |
| SAU801342     | ABA100381       | 46%      | 98.5%          | 98.0%            |
| SAU801342     | BAN111549       | 56%      | 57.1%          | 100%             |
| SAU801342     | BAN102492       | 60%      | 100%           | 97.8%            |
| SAU801342     | BFR11813        | 40%      | 98.8%          | 98.5%            |
| SAU801342     | BPT100911       | 44%      | 98.0%          | 97.6%            |
| SAU801342     | BCE113404       | 46%      | 98.0%          | 95.2%            |
| SAU801342     | BFU103444       | 46%      | 98.2%          | 96.4%            |
| SAU801342     | BMA106204       | 46%      | 98.0%          | 95.2%            |
| SAU801342     | CJU101551       | 44%      | 98.9%          | 98.9%            |
| SAU801342     | CPN200956       | 46%      | 98.0%          | 97.3%            |
| SAU801342     | CTR200126       | 45%      | 98.3%          | 97.4%            |
| SAU801342     | CAC102328       | 54%      | 98.3%          | 97.9%            |
| SAU801342     | CAC101106       | 54%      | 99.2%          | 98.8%            |
| SAU801342     | CBO103315       | 34%      | 99.1%          | 98.6%            |
| SAU801342     | CDF103784       | 36%      | 40.0%          | 93.5%            |
| SAU801342     | CDP100257       | 45%      | 98.9%          | 95.7%            |
| SAU801342     | EBC103706       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | EFA201838       | 59%      | 98.5%          | 99.7%            |
| SAU801342     | EFM200992       | 29%      | 20.8%          | 23.3%            |
| SAU801342     | ECO102870       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | HIN101002       | 48%      | 98.2%          | 98.2%            |
| SAU801342     | HPY101071       | 44%      | 99.5%          | 98.3%            |
| SAU801342     | KPN303075       | 45%      | 98.5%          | 98.6%            |
| SAU801342     | LPN102231       | 62%      | 27.3%          | 95.3%            |
| SAU801342     | LPN102506       | 45%      | 95.5%          | 99.1%            |
| SAU801342     | LMO101346       | 61%      | 100%           | 100%             |
| SAU801342     | MCA100777       | 45%      | 98.5%          | 96.7%            |
| SAU801342     | MAV101560       | 44%      | 98.8%          | 96.0%            |
| SAU801342     | MBV100248       | 42%      | 98.8%          | 96%              |
| SAU801342     | MLP100366       | 44%      | 98.9%          | 96.1%            |
| SAU801342     | MTU201430       | 42%      | 98.8%          | 96%              |
| SAU801342     | MGE100068       | 38%      | 97.7%          | 98.3%            |
| SAU801342     | MPN100073       | 36%      | 97.7%          | 98.3%            |
| SAU801342     | NGO100398       | 47%      | 99.1%          | 99.5%            |
| SAU801342     | NME201529       | 47%      | 99.1%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801342     | PMU101638       | 46%      | 97.6%          | 97.8%            |
| SAU801342     | PMU101242       | 46%      | 98.5%          | 98.7%            |
| SAU801342     | PRT102791       | 46%      | 98.5%          | 98.5%            |
| SAU801342     | PAE200547       | 47%      | 97.6%          | 97.4%            |
| SAU801342     | PPU104660       | 47%      | 98.5%          | 98.3%            |
| SAU801342     | PSY103014       | 46%      | 96.2%          | 98.8%            |
| SAU801342     | SPA101296       | 44%      | 98.5%          | 98.6%            |
| SAU801342     | STY104533       | 44%      | 98.5%          | 98.6%            |
| SAU801342     | STM101336       | 46%      | 97.9%          | 97.6%            |
| SAU801342     | SAU801342       | 100%     | 100%           | 100%             |
| SAU801342     | SEP202003       | 84%      | 100%           | 100%             |
| SAU801342     | SHA100863       | 84%      | 59.1%          | 98.5%            |
| SAU801342     | SMU101576       | 55%      | 98.9%          | 99.4%            |
| SAU801342     | SPN401839       | 54%      | 98.9%          | 99.4%            |
| SAU801342     | SPY201289       | 57%      | 99.8%          | 92.7%            |
| SAU801342     | TPA100554       | 45%      | 98.0%          | 97.7%            |
| SAU801342     | UUR100593       | 38%      | 98.5%          | 99.2%            |
| SAU801342     | VCH103347       | 46%      | 99.4%          | 97.1%            |
| SAU801342     | VCH100468       | 46%      | 99.7%          | 95.4%            |
| SAU801342     | YPS000208       | 47%      | 98.5%          | 98.5%            |
| SAU801346     | ABA102859       | 21%      | 79.3%          | 72.1%            |
| SAU801346     | BAN102851       | 37%      | 23.8%          | 26.1%            |
| SAU801346     | BAN105200       | 24%      | 99.7%          | 99.7%            |
| SAU801346     | BFR104408       | 21%      | 85.4%          | 96.0%            |
| SAU801346     | BBU100829       | 24%      | 95.2%          | 94.4%            |
| SAU801346     | CPN200747       | 21%      | 42.8%          | 86.4%            |
| SAU801346     | CAC102141       | 24%      | 98.6%          | 98.5%            |
| SAU801346     | CBO100905       | 21%      | 45.2%          | 90.6%            |
| SAU801346     | CBO101427       | 23%      | 69.0%          | 50.6%            |
| SAU801346     | CDF103294       | 24%      | 99.8%          | 99.1%            |
| SAU801346     | EBC101244       | 20%      | 48.6%          | 87.7%            |
| SAU801346     | EFA200866       | 25%      | 99.5%          | 99.4%            |
| SAU801346     | EFM202519       | 27%      | 99.8%          | 99.8%            |
| SAU801346     | ECO100389       | 21%      | 98.7%          | 98.4%            |
| SAU801346     | KPN305696       | 21%      | 98.7%          | 98.4%            |
| SAU801346     | LMO100865       | 27%      | 99.7%          | 99.5%            |
| SAU801346     | MCA102350       | 24%      | 66.9%          | 11.9%            |
| SAU801346     | PMU100774       | 22%      | 34.2%          | 53.5%            |
| SAU801346     | PRT101272       | 22%      | 61.2%          | 43.5%            |
| SAU801346     | PAE204280       | 23%      | 30.2%          | 2.2%             |
| SAU801346     | PPU101727       | 26%      | 39.6%          | 8.2%             |
| SAU801346     | PSY100720       | 21%      | 76.1%          | 64.9%            |
| SAU801346     | SPA100796       | 49%      | 5.5%           | 76.1%            |
| SAU801346     | STY100354       | 24%      | 30.0%          | 37.0%            |
| SAU801346     | SAU801346       | 100%     | 100%           | 100%             |
| SAU801346     | SEP202013       | 44%      | 100%           | 100%             |
| SAU801346     | SHA102750       | 52%      | 11.6%          | 68.4%            |
| SAU801346     | SPY100934       | 23%      | 17.0%          | 51.5%            |
| SAU801346     | TPA100620       | 22%      | 98.7%          | 98.7%            |
| SAU801346     | VCH103246       | 25%      | 99.6%          | 99.7%            |
| SAU801346     | YPS002049       | 22%      | 27.7%          | 46.2%            |
| SAU801353     | BAN110703       | 46%      | 98.0%          | 99.5%            |
| SAU801353     | BPT100366       | 38%      | 96.0%          | 90.2%            |
| SAU801353     | BCE111262       | 36%      | 98.5%          | 91.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801353     | BFU102327       | 34%      | 98.5%          | 91.6%            |
| SAU801353     | BMA109316       | 38%      | 98.5%          | 96.1%            |
| SAU801353     | CJU100326       | 32%      | 97.0%          | 98.0%            |
| SAU801353     | CAC101816       | 33%      | 97.0%          | 99.0%            |
| SAU801353     | CBO101234       | 37%      | 97.0%          | 99.5%            |
| SAU801353     | CDF101093       | 35%      | 97.0%          | 94.6%            |
| SAU801353     | EBC100867       | 34%      | 96.0%          | 89.8%            |
| SAU801353     | EFA201321       | 41%      | 99.5%          | 93.5%            |
| SAU801353     | EFM102093       | 41%      | 89.6%          | 94.8%            |
| SAU801353     | ECO102993       | 32%      | 96.0%          | 90.2%            |
| SAU801353     | HIN100253       | 32%      | 98.5%          | 95.5%            |
| SAU801353     | HPY101488       | 32%      | 97.0%          | 79.0%            |
| SAU801353     | KPN304106       | 31%      | 96.0%          | 90.2%            |
| SAU801353     | LPN102283       | 33%      | 99.0%          | 69.7%            |
| SAU801353     | LMO102620       | 50%      | 99.0%          | 98.0%            |
| SAU801353     | MGE100251       | 33%      | 98.5%          | 95.0%            |
| SAU801353     | MPN100486       | 32%      | 98.5%          | 95.0%            |
| SAU801353     | NGO101160       | 33%      | 98.5%          | 98%              |
| SAU801353     | NME201160       | 33%      | 98.5%          | 98%              |
| SAU801353     | PMU101696       | 34%      | 98.5%          | 94.5%            |
| SAU801353     | PRT100514       | 34%      | 96.0%          | 84.9%            |
| SAU801353     | PAE200580       | 34%      | 96.5%          | 98.4%            |
| SAU801353     | PPU100641       | 31%      | 96.5%          | 98.4%            |
| SAU801353     | PSY103383       | 30%      | 96.5%          | 98.4%            |
| SAU801353     | SPA101471       | 34%      | 96.0%          | 88.5%            |
| SAU801353     | STY100804       | 34%      | 96.0%          | 91.1%            |
| SAU801353     | STM101260       | 34%      | 96.0%          | 91.1%            |
| SAU801353     | SAU801353       | 100%     | 100%           | 100%             |
| SAU801353     | SEP202027       | 89%      | 100%           | 100%             |
| SAU801353     | SHA100825       | 86%      | 100%           | 100%             |
| SAU801353     | SMU101039       | 43%      | 94.6%          | 90.6%            |
| SAU801353     | SPN400755       | 42%      | 99.5%          | 94.8%            |
| SAU801353     | SPY200679       | 40%      | 99.5%          | 94.8%            |
| SAU801353     | UUR100408       | 35%      | 98.0%          | 88.7%            |
| SAU801353     | VCH100513       | 32%      | 98.0%          | 90.9%            |
| SAU801353     | YPS001965       | 33%      | 96.0%          | 85.6%            |
| SAU801354     | BAN100279       | 67%      | 95.5%          | 99.5%            |
| SAU801354     | BAN106450       | 70%      | 97.9%          | 99.1%            |
| SAU801354     | EFA201799       | 71%      | 97.9%          | 95.0%            |
| SAU801354     | EFM202341       | 70%      | 95.3%          | 99.4%            |
| SAU801354     | LMO101322       | 70%      | 97.9%          | 99.1%            |
| SAU801354     | MGE100205       | 47%      | 95.6%          | 99.7%            |
| SAU801354     | MPN100032       | 45%      | 95.6%          | 99.7%            |
| SAU801354     | SAU801354       | 100%     | 100%           | 100%             |
| SAU801354     | SEP202029       | 92%      | 99.8%          | 99.7%            |
| SAU801354     | SHA100791       | 64%      | 20.3%          | 100%             |
| SAU801354     | SHA100826       | 91%      | 99.8%          | 99.7%            |
| SAU801354     | SMU101038       | 68%      | 95.6%          | 98.2%            |
| SAU801354     | SPN400756       | 69%      | 95.6%          | 98.1%            |
| SAU801354     | SPY200680       | 67%      | 95.8%          | 98.2%            |
| SAU801354     | UUR100471       | 52%      | 96.2%          | 98.8%            |
| SAU801354     | ECO102964       | 38%      | 94.1%          | 97.9%            |
| SAU801354     | NME201790       | 39%      | 95.0%          | 98.6%            |
| SAU801354     | PAE204962       | 38%      | 94.0%          | 97.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801354     | PMU100370       | 38%      | 94.3%          | 98.1%            |
| SAU801354     | YPS001994       | 37%      | 94.6%          | 98.3%            |
| SAU801355     | BAN110308       | 42%      | 92.1%          | 92.2%            |
| SAU801355     | BAN106306       | 58%      | 99.6%          | 99.0%            |
| SAU801355     | CBO103199       | 45%      | 90.6%          | 96.7%            |
| SAU801355     | EFA201801       | 56%      | 99.2%          | 97.7%            |
| SAU801355     | EFM100902       | 54%      | 99.1%          | 98.0%            |
| SAU801355     | LMO102776       | 56%      | 99.5%          | 97.6%            |
| SAU801355     | SAU801355       | 100%     | 100%           | 100%             |
| SAU801355     | SEP202031       | 83%      | 99.9%          | 99.9%            |
| SAU801355     | SHA100827       | 83%      | 98.4%          | 100%             |
| SAU801355     | SMU101036       | 53%      | 96.9%          | 98.4%            |
| SAU801355     | SPN400757       | 52%      | 99.4%          | 98.3%            |
| SAU801355     | SPY200681       | 52%      | 98.9%          | 99.0%            |
| SAU801355     | UUR100472       | 41%      | 93.8%          | 88.6%            |
| SAU801355     | ECO102953       | 32%      | 92.4%          | 97.5%            |
| SAU801355     | MPN100031       | 37%      | 91.3%          | 92.5%            |
| SAU801355     | NME201659       | 32%      | 88.8%          | 94.6%            |
| SAU801355     | PAE204959       | 36%      | 71.0%          | 74.5%            |
| SAU801355     | PMU100369       | 32%      | 86.8%          | 91.0%            |
| SAU801355     | YPS002002       | 33%      | 86%            | 89.8%            |
| SAU801362     | ABA105445       | 44%      | 15.0%          | 65.3%            |
| SAU801362     | BCE112162       | 25%      | 16.5%          | 22.0%            |
| SAU801362     | CDF100773       | 30%      | 78.0%          | 86.2%            |
| SAU801362     | CDF100771       | 32%      | 67.3%          | 84.6%            |
| SAU801362     | EFA201849       | 42%      | 93.6%          | 78.2%            |
| SAU801362     | EFM202260       | 38%      | 89.0%          | 97.6%            |
| SAU801362     | LMO100807       | 41%      | 92.7%          | 99.0%            |
| SAU801362     | MAV108258       | 30%      | 61.5%          | 67.2%            |
| SAU801362     | MTU400793       | 25%      | 67.0%          | 51.2%            |
| SAU801362     | MTU405761       | 25%      | 67.0%          | 52.5%            |
| SAU801362     | SAU801362       | 100%     | 100%           | 100%             |
| SAU801362     | SEP202045       | 76%      | 99.4%          | 98.8%            |
| SAU801362     | SHA102568       | 70%      | 47.1%          | 100%             |
| SAU801362     | SMU100110       | 32%      | 94.8%          | 74.0%            |
| SAU801362     | SPN401225       | 30%      | 96.0%          | 83.5%            |
| SAU801362     | SPY201033       | 31%      | 93.6%          | 71.2%            |
| SAU801362     | TPA100731       | 23%      | 42.2%          | 35.4%            |
| SAU801366     | BAN105241       | 54%      | 47.8%          | 96.5%            |
| SAU801366     | BAN108518       | 61%      | 47.8%          | 98.2%            |
| SAU801366     | BAN108248       | 63%      | 98.0%          | 96.3%            |
| SAU801366     | CAC101350       | 50%      | 97.1%          | 96.8%            |
| SAU801366     | CBO102562       | 47%      | 98.3%          | 98.0%            |
| SAU801366     | CDF103804       | 43%      | 97.7%          | 92.6%            |
| SAU801366     | LMO100556       | 60%      | 98.5%          | 96.6%            |
| SAU801366     | MAV108484       | 36%      | 98.0%          | 83.0%            |
| SAU801366     | PAE203459       | 37%      | 98.5%          | 83.9%            |
| SAU801366     | PPU105893       | 36%      | 99.1%          | 87.3%            |
| SAU801366     | PSY104354       | 38%      | 96.5%          | 87.6%            |
| SAU801366     | SAU801366       | 100%     | 100%           | 100%             |
| SAU801366     | SHA101687       | 80%      | 99.4%          | 98.6%            |
| SAU801366     | SPN400552       | 55%      | 99.7%          | 99.4%            |
| SAU801375     | BFR103954       | 26%      | 35.1%          | 36.7%            |
| SAU801375     | SAU801375       | 100%     | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801375     | SEP202067       | 86%      | 100%           | 100%             |
| SAU801375     | SHA101696       | 82%      | 93.8%          | 100%             |
| SAU801375     | SPY200443       | 27%      | 98.6%          | 99.0%            |
| SAU801388     | ABA103820       | 44%      | 92.9%          | 64.3%            |
| SAU801388     | BAN111672       | 45%      | 97.4%          | 100%             |
| SAU801388     | BAN112161       | 56%      | 97.4%          | 95.6%            |
| SAU801388     | BFR10280        | 36%      | 79.5%          | 60.5%            |
| SAU801388     | BPT101013       | 30%      | 84.4%          | 82.2%            |
| SAU801388     | BBU100215       | 35%      | 91.2%          | 95.0%            |
| SAU801388     | BCE106431       | 29%      | 89.9%          | 84.7%            |
| SAU801388     | BFU107007       | 30%      | 87.3%          | 85.6%            |
| SAU801388     | BMA101485       | 27%      | 90.6%          | 85.0%            |
| SAU801388     | CJU100575       | 40%      | 92.2%          | 97.7%            |
| SAU801388     | CAC102164       | 29%      | 86.4%          | 89.9%            |
| SAU801388     | CBO103614       | 32%      | 92.2%          | 97.2%            |
| SAU801388     | CDF100003       | 33%      | 29.9%          | 81.1%            |
| SAU801388     | CDF104102       | 34%      | 95.1%          | 96.1%            |
| SAU801388     | CDP100488       | 29%      | 93.2%          | 90.6%            |
| SAU801388     | EBC104239       | 28%      | 93.5%          | 95.0%            |
| SAU801388     | EFA200604       | 30%      | 96.1%          | 97.1%            |
| SAU801388     | ECO103648       | 27%      | 93.5%          | 95.0%            |
| SAU801388     | HIN101348       | 30%      | 89.6%          | 91.7%            |
| SAU801388     | KPN302236       | 27%      | 92.5%          | 94.0%            |
| SAU801388     | LMO102682       | 34%      | 93.2%          | 96.4%            |
| SAU801388     | MCA100488       | 32%      | 84.7%          | 86.2%            |
| SAU801388     | MAV105985       | 29%      | 91.6%          | 91.2%            |
| SAU801388     | MBV103842       | 30%      | 87.7%          | 89.9%            |
| SAU801388     | MLP101266       | 29%      | 90.6%          | 92.8%            |
| SAU801388     | MTU200926       | 30%      | 87.7%          | 89.9%            |
| SAU801388     | PMU100435       | 31%      | 79.2%          | 80.6%            |
| SAU801388     | PRT102835       | 28%      | 93.8%          | 95.3%            |
| SAU801388     | PPU107748       | 30%      | 90.3%          | 90.4%            |
| SAU801388     | PSY104957       | 32%      | 89.6%          | 97.2%            |
| SAU801388     | STY103903       | 28%      | 93.5%          | 95.0%            |
| SAU801388     | SAU801388       | 100%     | 100%           | 100%             |
| SAU801388     | SEP202089       | 83%      | 100%           | 100%             |
| SAU801388     | SHA101136       | 82%      | 100%           | 100%             |
| SAU801388     | SMU100943       | 28%      | 100%           | 99.4%            |
| SAU801388     | SPN401255       | 31%      | 88.3%          | 87.9%            |
| SAU801388     | SPY200954       | 29%      | 82.8%          | 83.0%            |
| SAU801388     | VCH102807       | 30%      | 95.5%          | 87.2%            |
| SAU801388     | YPS003539       | 28%      | 95.8%          | 97.5%            |
| SAU801392     | BAN100882       | 70%      | 88.2%          | 98.9%            |
| SAU801392     | BAN109532       | 73%      | 95.9%          | 62.1%            |
| SAU801392     | BFR10176        | 56%      | 47.3%          | 99.4%            |
| SAU801392     | BPT100336       | 44%      | 99.6%          | 90.2%            |
| SAU801392     | BBU100741       | 57%      | 95.9%          | 40%              |
| SAU801392     | BCE107353       | 46%      | 98.7%          | 43.4%            |
| SAU801392     | BFU101573       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | BMA103267       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | CJU100394       | 46%      | 99.1%          | 99.4%            |
| SAU801392     | CPN200741       | 39%      | 93.8%          | 40%              |
| SAU801392     | CTR200617       | 38%      | 93.8%          | 40.2%            |
| SAU801392     | CAC102468       | 68%      | 98.9%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801392     | CBO103433       | 66%      | 45.6%          | 99.8%            |
| SAU801392     | CDF100968       | 64%      | 48.4%          | 100%             |
| SAU801392     | EBC102343       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | EFA200654       | 70%      | 100%           | 98.2%            |
| SAU801392     | EFM100463       | 71%      | 38.5%          | 99.8%            |
| SAU801392     | ECO100796       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | HPY100840       | 48%      | 98.7%          | 99.2%            |
| SAU801392     | KPN302739       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | LMO100778       | 74%      | 99.2%          | 99.1%            |
| SAU801392     | NGO100212       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | NME201287       | 46%      | 99.6%          | 99.8%            |
| SAU801392     | PRT100022       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | PAE201962       | 46%      | 44.1%          | 99.0%            |
| SAU801392     | PPU110733       | 46%      | 99.8%          | 99.8%            |
| SAU801392     | PSY102530       | 47%      | 98.1%          | 99.6%            |
| SAU801392     | SPA102072       | 44%      | 99.6%          | 99.6%            |
| SAU801392     | STY102394       | 45%      | 99.6%          | 99.6%            |
| SAU801392     | STM102165       | 45%      | 99.6%          | 99.8%            |
| SAU801392     | SAU801392       | 100%     | 100%           | 100%             |
| SAU801392     | SEP202098       | 94%      | 100%           | 99.6%            |
| SAU801392     | SHA100965       | 94%      | 100%           | 99.8%            |
| SAU801392     | SMU101414       | 65%      | 98.9%          | 97.6%            |
| SAU801392     | SPN402032       | 66%      | 99.6%          | 98.1%            |
| SAU801392     | SPY201692       | 66%      | 98.7%          | 97.4%            |
| SAU801392     | TPA100829       | 53%      | 47.3%          | 97.5%            |
| SAU801392     | VCH101496       | 46%      | 99.6%          | 99.6%            |
| SAU801392     | YPS002248       | 45%      | 99.6%          | 99.6%            |
| SAU801394     | ABA102417       | 23%      | 99.1%          | 99.7%            |
| SAU801394     | BAN105110       | 48%      | 66.9%          | 94.4%            |
| SAU801394     | BAN110285       | 47%      | 98.2%          | 97.1%            |
| SAU801394     | BFR101725       | 43%      | 97.9%          | 98.2%            |
| SAU801394     | BPT101923       | 23%      | 93.9%          | 95.2%            |
| SAU801394     | BCE110623       | 24%      | 93.9%          | 96.0%            |
| SAU801394     | BFU109219       | 23%      | 93.9%          | 96.0%            |
| SAU801394     | BMA107844       | 24%      | 93.9%          | 96.0%            |
| SAU801394     | CJU100951       | 43%      | 98.5%          | 98.0%            |
| SAU801394     | CPN200789       | 26%      | 94.2%          | 93.1%            |
| SAU801394     | CTR200632       | 28%      | 94.2%          | 91.6%            |
| SAU801394     | CAC102778       | 25%      | 94.2%          | 93.6%            |
| SAU801394     | CAC100810       | 27%      | 96.7%          | 96.1%            |
| SAU801394     | CBO102584       | 51%      | 98.2%          | 87.9%            |
| SAU801394     | CDF102483       | 52%      | 97.3%          | 97.0%            |
| SAU801394     | CDP101635       | 40%      | 97.3%          | 99.1%            |
| SAU801394     | EBC101246       | 28%      | 97.6%          | 97.0%            |
| SAU801394     | EFA200749       | 46%      | 96.4%          | 94.4%            |
| SAU801394     | EFM202572       | 51%      | 97.0%          | 95.8%            |
| SAU801394     | ECO102277       | 29%      | 97.6%          | 97.0%            |
| SAU801394     | HIN100627       | 22%      | 98.2%          | 99.7%            |
| SAU801394     | HPY101172       | 38%      | 95.7%          | 96.2%            |
| SAU801394     | KPN302836       | 27%      | 97.3%          | 96.7%            |
| SAU801394     | LPN102579       | 45%      | 96.4%          | 96.2%            |
| SAU801394     | LMO102054       | 45%      | 98.8%          | 99.1%            |
| SAU801394     | MCA103569       | 22%      | 93.9%          | 96.6%            |
| SAU801394     | MAV103165       | 39%      | 97.3%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801394     | MBV102870       | 40%      | 87.5%          | 93.8%            |
| SAU801394     | MLP101382       | 38%      | 96.4%          | 96.3%            |
| SAU801394     | MTU203654       | 39%      | 96.4%          | 97.1%            |
| SAU801394     | NGO100986       | 25%      | 97.6%          | 98.9%            |
| SAU801394     | NME200328       | 25%      | 97.6%          | 98.9%            |
| SAU801394     | PMU101632       | 23%      | 98.2%          | 99.7%            |
| SAU801394     | PRT101099       | 27%      | 97.6%          | 97.0%            |
| SAU801394     | PAE203114       | 25%      | 97.6%          | 97.3%            |
| SAU801394     | PPU105849       | 29%      | 97.6%          | 97.3%            |
| SAU801394     | PSY101677       | 31%      | 89.4%          | 98.0%            |
| SAU801394     | SPA102819       | 26%      | 97.6%          | 97.0%            |
| SAU801394     | STY101017       | 27%      | 97.6%          | 97.0%            |
| SAU801394     | SAU801394       | 100%     | 100%           | 100%             |
| SAU801394     | SEP202102       | 85%      | 99.7%          | 99.7%            |
| SAU801394     | SHA100967       | 86%      | 99.7%          | 99.7%            |
| SAU801394     | SMU100090       | 44%      | 97.0%          | 94.1%            |
| SAU801394     | SPN400918       | 42%      | 96.4%          | 93.6%            |
| SAU801394     | VCH102075       | 42%      | 97.6%          | 97.0%            |
| SAU801394     | YPS002391       | 30%      | 97.6%          | 97.0%            |
| SAU801396     | ABA105360       | 41%      | 77.1%          | 70.3%            |
| SAU801396     | BAN102900       | 25%      | 94.2%          | 87.7%            |
| SAU801396     | BAN107078       | 25%      | 94.2%          | 87.6%            |
| SAU801396     | BFR10828        | 34%      | 93.8%          | 91.7%            |
| SAU801396     | BPT102724       | 37%      | 76.7%          | 70.6%            |
| SAU801396     | BCE105684       | 35%      | 78.8%          | 73.6%            |
| SAU801396     | BMA108656       | 39%      | 79.2%          | 77.2%            |
| SAU801396     | CJU100185       | 37%      | 78.3%          | 79.8%            |
| SAU801396     | CPN200790       | 29%      | 98.3%          | 90.2%            |
| SAU801396     | CTR200633       | 34%      | 80%            | 77.2%            |
| SAU801396     | CAC100895       | 39%      | 100%           | 98.4%            |
| SAU801396     | CBO100936       | 42%      | 96.7%          | 94.0%            |
| SAU801396     | CDF100169       | 43%      | 49.2%          | 98.3%            |
| SAU801396     | CDF101971       | 40%      | 94.2%          | 86.5%            |
| SAU801396     | CDF103888       | 42%      | 100%           | 98.8%            |
| SAU801396     | CDP100444       | 25%      | 70.8%          | 72.2%            |
| SAU801396     | EBC102147       | 37%      | 77.5%          | 70.3%            |
| SAU801396     | EFA201878       | 25%      | 100%           | 99.2%            |
| SAU801396     | EFM201574       | 38%      | 100%           | 97.5%            |
| SAU801396     | ECO100031       | 37%      | 77.1%          | 70.0%            |
| SAU801396     | HIN101274       | 35%      | 76.2%          | 70%              |
| SAU801396     | HPY100505       | 31%      | 97.1%          | 97.2%            |
| SAU801396     | KPN306527       | 37%      | 90%            | 82.4%            |
| SAU801396     | LPN103391       | 26%      | 68.3%          | 68.7%            |
| SAU801396     | LMO101881       | 21%      | 100%           | 99.2%            |
| SAU801396     | MCA102220       | 38%      | 80.4%          | 74.7%            |
| SAU801396     | MAV101194       | 25%      | 74.6%          | 75.9%            |
| SAU801396     | MBV101254       | 25%      | 75.4%          | 76.7%            |
| SAU801396     | MTU202735       | 26%      | 75.4%          | 76.7%            |
| SAU801396     | NGO100748       | 35%      | 80.8%          | 74.0%            |
| SAU801396     | NME200061       | 36%      | 78.8%          | 72.1%            |
| SAU801396     | PMU100726       | 35%      | 76.2%          | 70%              |
| SAU801396     | PRT101653       | 36%      | 81.2%          | 73.6%            |
| SAU801396     | PAE204755       | 38%      | 79.6%          | 73.5%            |
| SAU801396     | PPU111382       | 37%      | 81.2%          | 95.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801396     | PSY104750       | 38%      | 81.2%          | 79.2%            |
| SAU801396     | SPA101380       | 38%      | 77.1%          | 70.2%            |
| SAU801396     | STY101155       | 38%      | 77.1%          | 70.0%            |
| SAU801396     | STM100870       | 38%      | 77.1%          | 70.0%            |
| SAU801396     | SAU801396       | 100%     | 100%           | 100%             |
| SAU801396     | SEP202106       | 77%      | 100%           | 100%             |
| SAU801396     | SHA100969       | 80%      | 100%           | 100%             |
| SAU801396     | SMU100878       | 27%      | 79.2%          | 76.9%            |
| SAU801396     | SPN401413       | 27%      | 79.2%          | 76.9%            |
| SAU801396     | VCH102356       | 38%      | 78.3%          | 72.1%            |
| SAU801396     | YPS000815       | 37%      | 76.2%          | 69.2%            |
| SAU801408     | ABA100780       | 19%      | 69.3%          | 71.1%            |
| SAU801408     | BAN104787       | 27%      | 98.9%          | 100%             |
| SAU801408     | BAN111400       | 32%      | 98.9%          | 98.7%            |
| SAU801408     | BFU103452       | 21%      | 60.5%          | 65.6%            |
| SAU801408     | CDF104135       | 20%      | 72.0%          | 72.4%            |
| SAU801408     | EFA201494       | 25%      | 18.8%          | 12.8%            |
| SAU801408     | EFM201409       | 20%      | 62.3%          | 50.7%            |
| SAU801408     | LMO102254       | 27%      | 17.8%          | 40.7%            |
| SAU801408     | PAE200524       | 26%      | 30.4%          | 31.0%            |
| SAU801408     | SAU801408       | 100%     | 100%           | 100%             |
| SAU801408     | SEP200320       | 76%      | 100%           | 100%             |
| SAU801408     | SHA101098       | 77%      | 99.4%          | 100%             |
| SAU801413     | ABA105904       | 40%      | 95.2%          | 93.7%            |
| SAU801413     | BAN103255       | 42%      | 77.4%          | 75.4%            |
| SAU801413     | BAN111079       | 46%      | 96.4%          | 94.1%            |
| SAU801413     | BPT101840       | 36%      | 97.7%          | 96.1%            |
| SAU801413     | BCE108051       | 37%      | 96.2%          | 94.8%            |
| SAU801413     | BFU101166       | 36%      | 96.2%          | 94.7%            |
| SAU801413     | BMA105967       | 37%      | 96.2%          | 95.2%            |
| SAU801413     | CPN200372       | 38%      | 89.2%          | 88.3%            |
| SAU801413     | CTR200319       | 37%      | 88.1%          | 87.5%            |
| SAU801413     | CDF103227       | 21%      | 14.4%          | 50.5%            |
| SAU801413     | CDP101055       | 38%      | 89.0%          | 88.9%            |
| SAU801413     | EBC102740       | 39%      | 96.1%          | 95.2%            |
| SAU801413     | ECO100709       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | HIN101627       | 36%      | 96.1%          | 93.7%            |
| SAU801413     | KPN300439       | 56%      | 16.7%          | 91.7%            |
| SAU801413     | KPN301278       | 39%      | 96.1%          | 95.2%            |
| SAU801413     | LPN103608       | 38%      | 96.1%          | 95.1%            |
| SAU801413     | MCA101641       | 38%      | 95.9%          | 94.2%            |
| SAU801413     | MAV105067       | 41%      | 88.9%          | 74.0%            |
| SAU801413     | MBV101835       | 40%      | 88.9%          | 67.9%            |
| SAU801413     | MLP100674       | 41%      | 87.8%          | 64.3%            |
| SAU801413     | MTU201231       | 40%      | 88.9%          | 67.9%            |
| SAU801413     | NGO101271       | 36%      | 96.2%          | 95.9%            |
| SAU801413     | NME201061       | 36%      | 96.2%          | 95.9%            |
| SAU801413     | PMU100277       | 37%      | 93.7%          | 92.9%            |
| SAU801413     | PRT102075       | 37%      | 96.1%          | 95.2%            |
| SAU801413     | PAE201584       | 38%      | 96.1%          | 95.3%            |
| SAU801413     | PPU103111       | 38%      | 93.1%          | 94.2%            |
| SAU801413     | PSY104853       | 39%      | 87.7%          | 93.8%            |
| SAU801413     | SPA103278       | 38%      | 96.1%          | 94.8%            |
| SAU801413     | STY101930       | 38%      | 96.1%          | 95.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801413     | STM101669       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | SAU801413       | 100%     | 100%           | 100%             |
| SAU801413     | SEP200338       | 81%      | 99.4%          | 99.9%            |
| SAU801413     | SHA102778       | 78%      | 72.5%          | 100%             |
| SAU801413     | VCH102055       | 38%      | 96.1%          | 95.2%            |
| SAU801413     | YPS002064       | 38%      | 96.1%          | 95.2%            |
| SAU801419     | BAN100510       | 26%      | 85.8%          | 87.1%            |
| SAU801419     | BFR100612       | 25%      | 93.5%          | 98.7%            |
| SAU801419     | CJU101619       | 33%      | 95.3%          | 91.5%            |
| SAU801419     | CAC103631       | 27%      | 96.4%          | 92.5%            |
| SAU801419     | CBO103591       | 32%      | 85.8%          | 86.0%            |
| SAU801419     | CDF104280       | 32%      | 98.8%          | 100%             |
| SAU801419     | CDP100572       | 20%      | 84.6%          | 83.1%            |
| SAU801419     | EFA200851       | 25%      | 98.8%          | 97.7%            |
| SAU801419     | EFM201484       | 22%      | 92.9%          | 93.5%            |
| SAU801419     | KPN304595       | 20%      | 84.6%          | 83.1%            |
| SAU801419     | LMO100047       | 22%      | 85.8%          | 84.3%            |
| SAU801419     | SAU801419       | 100%     | 100%           | 100%             |
| SAU801419     | SEP200360       | 65%      | 98.8%          | 100%             |
| SAU801419     | SHA101283       | 67%      | 98.8%          | 100%             |
| SAU801419     | SMU101216       | 22%      | 85.8%          | 81.0%            |
| SAU801419     | SPN401317       | 26%      | 85.8%          | 89.6%            |
| SAU801419     | SPY201637       | 26%      | 45.6%          | 68.3%            |
| SAU801426     | ABA105042       | 36%      | 88.7%          | 87.6%            |
| SAU801426     | BAN106373       | 43%      | 98.1%          | 100%             |
| SAU801426     | BFR103062       | 38%      | 97.5%          | 96.4%            |
| SAU801426     | BPT100703       | 36%      | 81.8%          | 80.6%            |
| SAU801426     | BCE101792       | 38%      | 99.4%          | 98.2%            |
| SAU801426     | BFU100755       | 37%      | 98.7%          | 97.6%            |
| SAU801426     | BMA106298       | 37%      | 99.4%          | 97.6%            |
| SAU801426     | CPN201094       | 34%      | 79.9%          | 77.6%            |
| SAU801426     | CTR200891       | 29%      | 80.5%          | 81.8%            |
| SAU801426     | CAC100060       | 39%      | 84.9%          | 90.2%            |
| SAU801426     | CDP100078       | 34%      | 71.1%          | 68.3%            |
| SAU801426     | EBC103149       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | EFA201842       | 46%      | 94.3%          | 94.5%            |
| SAU801426     | EFM100508       | 46%      | 94.3%          | 88.6%            |
| SAU801426     | ECO100048       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | HIN100879       | 44%      | 99.4%          | 100%             |
| SAU801426     | KPN307712       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | LPN102439       | 37%      | 84.9%          | 97.9%            |
| SAU801426     | LMO102529       | 39%      | 91.2%          | 92.5%            |
| SAU801426     | MCA101498       | 37%      | 75.5%          | 74.9%            |
| SAU801426     | MAV101963       | 32%      | 74.8%          | 69.1%            |
| SAU801426     | MBV103478       | 39%      | 59.1%          | 61.0%            |
| SAU801426     | MLP100935       | 33%      | 61.0%          | 62.4%            |
| SAU801426     | MTU202726       | 39%      | 59.1%          | 61.0%            |
| SAU801426     | MGE100233       | 31%      | 69.2%          | 74.4%            |
| SAU801426     | MPN100515       | 27%      | 80.5%          | 91.9%            |
| SAU801426     | NGO101724       | 30%      | 98.7%          | 98.8%            |
| SAU801426     | NME202016       | 30%      | 98.7%          | 98.8%            |
| SAU801426     | PMU101893       | 41%      | 98.7%          | 97.0%            |
| SAU801426     | PRT101248       | 35%      | 100%           | 100%             |
| SAU801426     | PAE200349       | 34%      | 86.2%          | 86.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801426     | PPU102745       | 33%      | 86.2%          | 95.5%            |
| SAU801426     | PSY108387       | 33%      | 83.0%          | 92.8%            |
| SAU801426     | SPA103699       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | STY101217       | 34%      | 98.1%          | 99.4%            |
| SAU801426     | STM100930       | 35%      | 98.1%          | 99.4%            |
| SAU801426     | SAU801426       | 100%     | 100%           | 100%             |
| SAU801426     | SEP201187       | 79%      | 100%           | 98.8%            |
| SAU801426     | SEP200372       | 81%      | 100%           | 98.8%            |
| SAU801426     | SHA101277       | 86%      | 99.4%          | 99.4%            |
| SAU801426     | SMU100954       | 34%      | 95.6%          | 92.4%            |
| SAU801426     | SPN401428       | 34%      | 95.6%          | 94.0%            |
| SAU801426     | SPY200658       | 32%      | 99.4%          | 100%             |
| SAU801426     | UUR100113       | 28%      | 76.1%          | 80.1%            |
| SAU801426     | VCH100435       | 42%      | 96.2%          | 93.9%            |
| SAU801426     | YPS000851       | 39%      | 99.4%          | 100%             |
| SAU801434     | BFR100985       | 19%      | 5.8%           | 73.2%            |
| SAU801434     | BPT100907       | 21%      | 5.6%           | 93.6%            |
| SAU801434     | CJU100041       | 22%      | 22.9%          | 71.7%            |
| SAU801434     | CJU100788       | 22%      | 62.5%          | 65.0%            |
| SAU801434     | CAC100360       | 19%      | 94.0%          | 62.1%            |
| SAU801434     | CAC100718       | 18%      | 36.8%          | 67.2%            |
| SAU801434     | CDP100418       | 21%      | 2.6%           | 73.1%            |
| SAU801434     | HIN101341       | 19%      | 10.3%          | 51.3%            |
| SAU801434     | HPY100521       | 18%      | 31.5%          | 84.6%            |
| SAU801434     | KPN204472       | 22%      | 12.8%          | 89.0%            |
| SAU801434     | MAV100077       | 23%      | 48.2%          | 66.9%            |
| SAU801434     | MBV101083       | 31%      | 73.9%          | 65.4%            |
| SAU801434     | MTU202311       | 21%      | 9.4%           | 57.6%            |
| SAU801434     | MGE100222       | 20%      | 11.9%          | 98.3%            |
| SAU801434     | MPN100526       | 19%      | 30.1%          | 75.6%            |
| SAU801434     | PAE200410       | 20%      | 33.4%          | 72.4%            |
| SAU801434     | SAU801434       | 100%     | 100%           | 100%             |
| SAU801434     | SEP200390       | 22%      | 35.1%          | 95.8%            |
| SAU801434     | SEP200388       | 29%      | 95.8%          | 66.8%            |
| SAU801434     | UUR100500       | 20%      | 8.4%           | 11.1%            |
| SAU801434     | UUR100479       | 22%      | 78.5%          | 25.9%            |
| SAU801434     | UUR100487       | 19%      | 88.3%          | 21.1%            |
| SAU801434     | VCH101382       | 19%      | 3.3%           | 98.4%            |
| SAU801439     | ABA101540       | 43%      | 15.3%          | 30%              |
| SAU801439     | ABA103709       | 25%      | 93.8%          | 97.9%            |
| SAU801439     | BPT102239       | 28%      | 95.2%          | 99.7%            |
| SAU801439     | BCE106127       | 28%      | 86.3%          | 92%              |
| SAU801439     | BMA102767       | 29%      | 88.2%          | 92.9%            |
| SAU801439     | CBO102725       | 26%      | 81.7%          | 88.0%            |
| SAU801439     | EBC101979       | 27%      | 94.6%          | 72.1%            |
| SAU801439     | KPN304528       | 26%      | 94.6%          | 37.2%            |
| SAU801439     | LPN100345       | 25%      | 93.8%          | 96.3%            |
| SAU801439     | PPU102936       | 28%      | 73.9%          | 90.7%            |
| SAU801439     | PSY103265       | 28%      | 87.6%          | 72.5%            |
| SAU801439     | SAU801439       | 100%     | 100%           | 100%             |
| SAU801450     | ABA104514       | 27%      | 73.6%          | 64.5%            |
| SAU801450     | BAN111504       | 38%      | 7.2%           | 72.2%            |
| SAU801450     | BAN111626       | 37%      | 13.9%          | 88.7%            |
| SAU801450     | BAN112322       | 37%      | 24.2%          | 68.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801450     | BAN109558       | 31%      | 36.7%          | 51.5%            |
| SAU801450     | BAN107365       | 29%      | 97.5%          | 80.5%            |
| SAU801450     | BAN100187       | 29%      | 88.7%          | 91.1%            |
| SAU801450     | BAN106468       | 33%      | 79.6%          | 98.1%            |
| SAU801450     | BAN109120       | 36%      | 90.1%          | 83.1%            |
| SAU801450     | BAN113112       | 35%      | 97.5%          | 86.2%            |
| SAU801450     | BFR12422        | 26%      | 81.4%          | 90.0%            |
| SAU801450     | BPT100929       | 28%      | 86.8%          | 87.6%            |
| SAU801450     | BBU100731       | 22%      | 76.2%          | 68.8%            |
| SAU801450     | BCE103115       | 26%      | 76.9%          | 83.5%            |
| SAU801450     | BFU113279       | 38%      | 83.6%          | 86.2%            |
| SAU801450     | BMA101975       | 27%      | 76.9%          | 74.9%            |
| SAU801450     | CJU100471       | 27%      | 81.3%          | 88.0%            |
| SAU801450     | CAC101849       | 28%      | 96.4%          | 96.0%            |
| SAU801450     | CBO102303       | 30%      | 82.7%          | 74.1%            |
| SAU801450     | CDF104052       | 29%      | 35.4%          | 69.5%            |
| SAU801450     | CDF102218       | 25%      | 99.0%          | 90.1%            |
| SAU801450     | CDP100789       | 26%      | 96.3%          | 95.2%            |
| SAU801450     | EBC100689       | 28%      | 68.2%          | 95.5%            |
| SAU801450     | EFA201378       | 31%      | 98.8%          | 93.1%            |
| SAU801450     | EFM201090       | 31%      | 88.2%          | 84.5%            |
| SAU801450     | ECO100149       | 25%      | 87.3%          | 74.3%            |
| SAU801450     | HIN101690       | 26%      | 77.0%          | 69.1%            |
| SAU801450     | HPY100590       | 24%      | 80.7%          | 87.1%            |
| SAU801450     | KPN300435       | 25%      | 22.8%          | 44.0%            |
| SAU801450     | KPN304206       | 28%      | 73.5%          | 60.3%            |
| SAU801450     | LPN102619       | 33%      | 15.1%          | 96.5%            |
| SAU801450     | LPN100189       | 37%      | 31.5%          | 77.6%            |
| SAU801450     | LMO102341       | 36%      | 98.6%          | 84.4%            |
| SAU801450     | MCA101332       | 30%      | 73.6%          | 66.3%            |
| SAU801450     | MAV101544       | 28%      | 74.1%          | 86.8%            |
| SAU801450     | MBV103327       | 27%      | 87.2%          | 76.0%            |
| SAU801450     | MLP101587       | 27%      | 87.1%          | 88.6%            |
| SAU801450     | MTU200050       | 28%      | 81.0%          | 85.7%            |
| SAU801450     | NGO101656       | 32%      | 83.9%          | 85.7%            |
| SAU801450     | NME200606       | 33%      | 87.8%          | 89.1%            |
| SAU801450     | PMU100456       | 27%      | 72.5%          | 65.5%            |
| SAU801450     | PRT101565       | 26%      | 73.5%          | 68.7%            |
| SAU801450     | PAE204696       | 30%      | 72.5%          | 65.6%            |
| SAU801450     | PPU108387       | 28%      | 72.5%          | 67.9%            |
| SAU801450     | PSY104456       | 30%      | 72.5%          | 67.9%            |
| SAU801450     | SPA102354       | 31%      | 43.6%          | 88.7%            |
| SAU801450     | STY103467       | 27%      | 73.5%          | 61.4%            |
| SAU801450     | STM103141       | 27%      | 73.5%          | 61.4%            |
| SAU801450     | SAU801450       | 100%     | 100%           | 100%             |
| SAU801450     | SEP200416       | 81%      | 100%           | 98.7%            |
| SAU801450     | SHA102710       | 46%      | 9.5%           | 61.7%            |
| SAU801450     | SHA101878       | 77%      | 99.0%          | 94.9%            |
| SAU801450     | SMU101483       | 32%      | 94.4%          | 97.0%            |
| SAU801450     | SPN400329       | 31%      | 95.0%          | 97.1%            |
| SAU801450     | SPY201271       | 32%      | 95.9%          | 97.8%            |
| SAU801450     | TPA100697       | 26%      | 82.0%          | 78.5%            |
| SAU801450     | VCH100591       | 25%      | 73.6%          | 66.2%            |
| SAU801450     | YPS000157       | 27%      | 73.5%          | 62.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801457     | ABA105939       | 32%      | 48%            | 40.7%            |
| SAU801457     | BAN107872       | 38%      | 97.2%          | 99.5%            |
| SAU801457     | BAN102524       | 39%      | 97.2%          | 97.7%            |
| SAU801457     | BFR104611       | 34%      | 49%            | 43.2%            |
| SAU801457     | BPT101657       | 33%      | 50.5%          | 45.9%            |
| SAU801457     | BBU100705       | 32%      | 83.5%          | 82.7%            |
| SAU801457     | BCE100092       | 32%      | 48.2%          | 42.4%            |
| SAU801457     | BFU102642       | 31%      | 51%            | 43.3%            |
| SAU801457     | BMA109607       | 32%      | 48.2%          | 42.7%            |
| SAU801457     | CJU100728       | 27%      | 63.5%          | 69.6%            |
| SAU801457     | CPN201005       | 27%      | 96.2%          | 96.3%            |
| SAU801457     | CTR200077       | 38%      | 51.2%          | 50.2%            |
| SAU801457     | CAC103726       | 25%      | 65.8%          | 55.0%            |
| SAU801457     | CBO100682       | 43%      | 53.5%          | 48.4%            |
| SAU801457     | CDF103451       | 31%      | 95.2%          | 94.6%            |
| SAU801457     | CDP101606       | 38%      | 49%            | 41.0%            |
| SAU801457     | EBC102069       | 34%      | 55%            | 50.9%            |
| SAU801457     | EFA201869       | 37%      | 97%            | 95.1%            |
| SAU801457     | ECO100143       | 32%      | 50.8%          | 47.1%            |
| SAU801457     | HIN100062       | 29%      | 53.5%          | 49.8%            |
| SAU801457     | HPY100632       | 29%      | 98.2%          | 95.3%            |
| SAU801457     | KPN308697       | 33%      | 50.8%          | 49.1%            |
| SAU801457     | LPN103037       | 33%      | 54.2%          | 53.0%            |
| SAU801457     | LMO102472       | 37%      | 98.2%          | 98.7%            |
| SAU801457     | MCA100864       | 33%      | 40.2%          | 27.9%            |
| SAU801457     | MAV103429       | 38%      | 46.8%          | 40.4%            |
| SAU801457     | MBV106184       | 36%      | 46.8%          | 40.4%            |
| SAU801457     | MLP101592       | 38%      | 47%            | 40.3%            |
| SAU801457     | MTU203852       | 36%      | 46.8%          | 40.4%            |
| SAU801457     | NGO100973       | 31%      | 58.5%          | 52.1%            |
| SAU801457     | NME200969       | 30%      | 58.5%          | 51.4%            |
| SAU801457     | PMU100864       | 30%      | 54.8%          | 46.9%            |
| SAU801457     | PRT102520       | 33%      | 50.8%          | 48.2%            |
| SAU801457     | PAE204723       | 35%      | 52.8%          | 47.8%            |
| SAU801457     | PPU108737       | 35%      | 52.8%          | 48.2%            |
| SAU801457     | PSY105160       | 34%      | 52.8%          | 48.0%            |
| SAU801457     | SPA104027       | 34%      | 55%            | 51.1%            |
| SAU801457     | STY103428       | 34%      | 55%            | 48.9%            |
| SAU801457     | STM101254       | 31%      | 52.2%          | 50.4%            |
| SAU801457     | SAU801457       | 100%     | 100%           | 100%             |
| SAU801457     | SEP200430       | 56%      | 100%           | 100%             |
| SAU801457     | SHA101762       | 59%      | 100%           | 100%             |
| SAU801457     | SMU100881       | 39%      | 98.8%          | 99.2%            |
| SAU801457     | SPN401412       | 38%      | 96.8%          | 96.2%            |
| SAU801457     | SPY200644       | 38%      | 97.8%          | 98.0%            |
| SAU801457     | TPA100267       | 41%      | 48.5%          | 41.6%            |
| SAU801457     | VCH100583       | 24%      | 76.5%          | 72.6%            |
| SAU801457     | YPS000784       | 30%      | 64.8%          | 60.9%            |
| SAU801458     | BAN104921       | 44%      | 95.8%          | 99.2%            |
| SAU801458     | BAN113092       | 55%      | 99.5%          | 99.2%            |
| SAU801458     | BPT101918       | 24%      | 92.4%          | 85.8%            |
| SAU801458     | BBU100453       | 22%      | 79.2%          | 80.7%            |
| SAU801458     | BFU102831       | 23%      | 77.1%          | 71.6%            |
| SAU801458     | CPN200894       | 22%      | 77.9%          | 75.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801458     | CTR100305       | 29%      | 13.4%          | 10.8%            |
| SAU801458     | CAC102137       | 21%      | 98.2%          | 97.2%            |
| SAU801458     | CAC100874       | 24%      | 99.5%          | 97.2%            |
| SAU801458     | CBO102992       | 25%      | 63.2%          | 58.8%            |
| SAU801458     | CBO100320       | 26%      | 78.2%          | 79.7%            |
| SAU801458     | CDF102815       | 24%      | 79.5%          | 80.7%            |
| SAU801458     | CDP100741       | 28%      | 41.1%          | 38.9%            |
| SAU801458     | EBC103431       | 30%      | 55%            | 54.9%            |
| SAU801458     | EFA200235       | 25%      | 98.7%          | 96.1%            |
| SAU801458     | EFM201493       | 23%      | 98.9%          | 94.3%            |
| SAU801458     | ECO204536       | 26%      | 45.8%          | 48.4%            |
| SAU801458     | HIN101663       | 23%      | 93.4%          | 95.8%            |
| SAU801458     | HPY100417       | 25%      | 30.3%          | 28.8%            |
| SAU801458     | KPN301575       | 27%      | 51.8%          | 53.1%            |
| SAU801458     | LPN100676       | 23%      | 95.8%          | 97.2%            |
| SAU801458     | LMO101281       | 25%      | 88.4%          | 81.3%            |
| SAU801458     | MAV103221       | 23%      | 69.5%          | 72.1%            |
| SAU801458     | MBV102473       | 23%      | 70%            | 68.7%            |
| SAU801458     | MLP100543       | 22%      | 69.7%          | 71.1%            |
| SAU801458     | MTU202154       | 23%      | 70%            | 68.7%            |
| SAU801458     | NGO100979       | 26%      | 48.2%          | 53.3%            |
| SAU801458     | NME200972       | 26%      | 47.1%          | 77.8%            |
| SAU801458     | PRT105053       | 27%      | 51.6%          | 52.5%            |
| SAU801458     | PAE200841       | 25%      | 50%            | 46.3%            |
| SAU801458     | PPU103947       | 27%      | 52.9%          | 50.3%            |
| SAU801458     | PSY100988       | 28%      | 46.6%          | 47.3%            |
| SAU801458     | SPA104080       | 28%      | 41.8%          | 44.9%            |
| SAU801458     | STY104620       | 28%      | 41.8%          | 44.9%            |
| SAU801458     | STM101647       | 22%      | 92.1%          | 93.9%            |
| SAU801458     | SAU801458       | 100%     | 100%           | 100%             |
| SAU801458     | SEP200432       | 80%      | 98.2%          | 98.2%            |
| SAU801458     | SHA101761       | 84%      | 98.2%          | 99.2%            |
| SAU801458     | SMU101081       | 23%      | 99.5%          | 87.4%            |
| SAU801458     | SPN400982       | 23%      | 98.4%          | 87.1%            |
| SAU801458     | SPY200370       | 24%      | 98.9%          | 86.9%            |
| SAU801458     | VCH100256       | 26%      | 75.8%          | 68.0%            |
| SAU801466     | ABA105177       | 32%      | 94.8%          | 93.9%            |
| SAU801466     | BAN111428       | 54%      | 88.7%          | 94.0%            |
| SAU801466     | BAN105811       | 58%      | 94.3%          | 98.4%            |
| SAU801466     | BAN110054       | 61%      | 97.4%          | 97.4%            |
| SAU801466     | BAN102027       | 62%      | 100%           | 100%             |
| SAU801466     | BFR11345        | 34%      | 92.0%          | 94.1%            |
| SAU801466     | BPT101881       | 33%      | 92.5%          | 94.1%            |
| SAU801466     | BCE109344       | 32%      | 96.6%          | 94.1%            |
| SAU801466     | BFU105028       | 34%      | 90.5%          | 88.5%            |
| SAU801466     | BMA108307       | 31%      | 97.2%          | 95.1%            |
| SAU801466     | CJU101540       | 33%      | 95.1%          | 95.0%            |
| SAU801466     | CPN200800       | 28%      | 93.0%          | 95.3%            |
| SAU801466     | CTR200637       | 32%      | 92.8%          | 95.0%            |
| SAU801466     | CAC102325       | 32%      | 90.7%          | 94.9%            |
| SAU801466     | CBO102194       | 45%      | 97.9%          | 95.9%            |
| SAU801466     | CDF101103       | 32%      | 90.7%          | 93.9%            |
| SAU801466     | CDP100371       | 40%      | 97.7%          | 96.0%            |
| SAU801466     | EBC103288       | 34%      | 97.7%          | 95.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801466     | EFA201862       | 57%      | 100%           | 100%             |
| SAU801466     | EFM101478       | 55%      | 98.5%          | 98.5%            |
| SAU801466     | ECO102287       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | HIN100186       | 36%      | 93.3%          | 95.2%            |
| SAU801466     | HPY100655       | 33%      | 96.6%          | 96.4%            |
| SAU801466     | KPN302822       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | LPN100018       | 33%      | 90.5%          | 92.0%            |
| SAU801466     | LMO100937       | 56%      | 100%           | 100%             |
| SAU801466     | MCA100479       | 33%      | 94.1%          | 91.8%            |
| SAU801466     | MAV101894       | 41%      | 99.7%          | 96.5%            |
| SAU801466     | MBV101353       | 41%      | 97.7%          | 92.7%            |
| SAU801466     | MLP100313       | 42%      | 97.7%          | 93.9%            |
| SAU801466     | MTU202503       | 41%      | 97.7%          | 95.3%            |
| SAU801466     | NGO100523       | 34%      | 94.1%          | 92.3%            |
| SAU801466     | NME201788       | 34%      | 94.1%          | 92.3%            |
| SAU801466     | PMU100359       | 33%      | 94.1%          | 96.1%            |
| SAU801466     | PRT105081       | 34%      | 93.8%          | 93.4%            |
| SAU801466     | PAE201680       | 32%      | 94.1%          | 92.8%            |
| SAU801466     | PPU102947       | 31%      | 97.4%          | 96.4%            |
| SAU801466     | PSY104698       | 32%      | 94.1%          | 92.8%            |
| SAU801466     | SPA101187       | 34%      | 88.9%          | 90.4%            |
| SAU801466     | STY101051       | 33%      | 94.8%          | 94.5%            |
| SAU801466     | SAU801466       | 100%     | 100%           | 100%             |
| SAU801466     | SEP200448       | 86%      | 100%           | 100%             |
| SAU801466     | SHA101753       | 86%      | 100%           | 100%             |
| SAU801466     | SMU100093       | 56%      | 100%           | 100%             |
| SAU801466     | SPN401231       | 57%      | 98.5%          | 98.5%            |
| SAU801466     | SPY200602       | 50%      | 100%           | 100%             |
| SAU801466     | VCH102083       | 35%      | 94.8%          | 94.5%            |
| SAU801466     | YPS002330       | 33%      | 93.8%          | 93.4%            |
| SAU801470     | ABA104632       | 32%      | 94.0%          | 92%              |
| SAU801470     | BAN109070       | 32%      | 97.2%          | 96.0%            |
| SAU801470     | BAN113356       | 44%      | 97.8%          | 96.6%            |
| SAU801470     | BFR101349       | 30%      | 96.9%          | 95.4%            |
| SAU801470     | BPT102476       | 27%      | 94.0%          | 93.1%            |
| SAU801470     | BBU100313       | 27%      | 90.0%          | 85.9%            |
| SAU801470     | BCE111505       | 28%      | 98.4%          | 94.6%            |
| SAU801470     | BFU108244       | 30%      | 97.5%          | 93.9%            |
| SAU801470     | BMA107188       | 28%      | 97.2%          | 100%             |
| SAU801470     | CJU100503       | 30%      | 83.1%          | 87.2%            |
| SAU801470     | CDP100844       | 31%      | 97.2%          | 94.8%            |
| SAU801470     | EBC100486       | 29%      | 86.2%          | 99.3%            |
| SAU801470     | EFA201824       | 35%      | 94.7%          | 93.3%            |
| SAU801470     | EFM100877       | 33%      | 96.2%          | 93.9%            |
| SAU801470     | ECO103117       | 28%      | 93.4%          | 92.3%            |
| SAU801470     | HIN100861       | 29%      | 97.2%          | 94.2%            |
| SAU801470     | HPY100236       | 27%      | 90.0%          | 92.2%            |
| SAU801470     | KPN301067       | 29%      | 92.8%          | 97.0%            |
| SAU801470     | LMO100122       | 40%      | 98.4%          | 97.2%            |
| SAU801470     | MAV102273       | 32%      | 96.9%          | 90.1%            |
| SAU801470     | MBV101462       | 30%      | 96.9%          | 92.2%            |
| SAU801470     | MLP101355       | 29%      | 98.1%          | 94.8%            |
| SAU801470     | MTU200559       | 30%      | 96.9%          | 92.2%            |
| SAU801470     | NGO101628       | 31%      | 96.9%          | 95.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801470     | NME201998       | 31%      | 96.9%          | 95.1%            |
| SAU801470     | PMU100346       | 29%      | 95.6%          | 92.4%            |
| SAU801470     | PRT103357       | 28%      | 90.9%          | 90.4%            |
| SAU801470     | PAE204567       | 28%      | 94.0%          | 92.9%            |
| SAU801470     | PPU109792       | 27%      | 95.6%          | 94.4%            |
| SAU801470     | PSY102709       | 26%      | 95.6%          | 94.4%            |
| SAU801470     | SPA100483       | 28%      | 53.6%          | 93.5%            |
| SAU801470     | STY101489       | 29%      | 93.4%          | 92.3%            |
| SAU801470     | STM101744       | 29%      | 93.4%          | 92.3%            |
| SAU801470     | SAU801470       | 100%     | 100%           | 100%             |
| SAU801470     | SEP200452       | 76%      | 99.7%          | 99.7%            |
| SAU801470     | SHA101414       | 73%      | 99.7%          | 100%             |
| SAU801470     | TPA100675       | 24%      | 86.8%          | 83.2%            |
| SAU801470     | VCH100429       | 30%      | 97.5%          | 89.4%            |
| SAU801470     | YPS002150       | 30%      | 85.9%          | 84.8%            |
| SAU801471     | ABA102453       | 44%      | 95.9%          | 73.7%            |
| SAU801471     | BAN101221       | 53%      | 93.4%          | 98.7%            |
| SAU801471     | BAN110701       | 64%      | 95.0%          | 97.5%            |
| SAU801471     | BFR100912       | 35%      | 93.4%          | 92.7%            |
| SAU801471     | BPT101405       | 39%      | 95.4%          | 88.4%            |
| SAU801471     | BCE105003       | 42%      | 93.4%          | 92.6%            |
| SAU801471     | BFU111004       | 38%      | 95.9%          | 95.1%            |
| SAU801471     | BMA103315       | 42%      | 93.4%          | 92.6%            |
| SAU801471     | CJU100293       | 33%      | 93.8%          | 98.3%            |
| SAU801471     | CPN200235       | 32%      | 94.6%          | 94.9%            |
| SAU801471     | CTR200702       | 29%      | 93.4%          | 92.9%            |
| SAU801471     | CAC101072       | 33%      | 55.6%          | 61.8%            |
| SAU801471     | CBO102321       | 27%      | 72.2%          | 73.5%            |
| SAU801471     | CDP100838       | 38%      | 92.5%          | 90.7%            |
| SAU801471     | EBC103973       | 42%      | 95.0%          | 92.8%            |
| SAU801471     | ECO103745       | 41%      | 93.4%          | 90.8%            |
| SAU801471     | HPY101462       | 35%      | 85.5%          | 88.2%            |
| SAU801471     | KPN303531       | 41%      | 93.4%          | 90.8%            |
| SAU801471     | LPN103135       | 38%      | 95.9%          | 93.6%            |
| SAU801471     | LMO101474       | 59%      | 96.3%          | 98.7%            |
| SAU801471     | MCA101080       | 42%      | 96.3%          | 82.8%            |
| SAU801471     | MAV102270       | 34%      | 96.3%          | 97.4%            |
| SAU801471     | MBV101071       | 36%      | 94.6%          | 94.0%            |
| SAU801471     | MLP101352       | 34%      | 91.3%          | 89.1%            |
| SAU801471     | MTU200555       | 36%      | 94.6%          | 94.0%            |
| SAU801471     | NGO101981       | 38%      | 95.9%          | 93.5%            |
| SAU801471     | NME200879       | 39%      | 95.9%          | 93.5%            |
| SAU801471     | PMU101686       | 41%      | 93.8%          | 85.4%            |
| SAU801471     | PRT102944       | 40%      | 95.9%          | 93.2%            |
| SAU801471     | PAE205058       | 42%      | 93.4%          | 89.1%            |
| SAU801471     | PPU109250       | 40%      | 93.4%          | 89.1%            |
| SAU801471     | PSY103601       | 42%      | 93.4%          | 89.1%            |
| SAU801471     | SPA102812       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | STY101995       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | STM101124       | 39%      | 93.4%          | 90.8%            |
| SAU801471     | SAU801471       | 100%     | 100%           | 100%             |
| SAU801471     | SEP200454       | 82%      | 100%           | 100%             |
| SAU801471     | SHA101413       | 82%      | 99.2%          | 100%             |
| SAU801471     | VCH100083       | 41%      | 95.9%          | 89.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801471     | YPS000639       | 42%      | 95.0%          | 92.8%            |
| SAU801473     | ABA103631       | 58%      | 98.9%          | 98.9%            |
| SAU801473     | BAN110875       | 80%      | 100%           | 100%             |
| SAU801473     | BFR100422       | 50%      | 100%           | 100%             |
| SAU801473     | BPT100124       | 53%      | 98.9%          | 98.9%            |
| SAU801473     | BBU100231       | 32%      | 98.9%          | 88.0%            |
| SAU801473     | BCE110670       | 63%      | 100%           | 100%             |
| SAU801473     | BFU100991       | 56%      | 98.9%          | 98.9%            |
| SAU801473     | BMA101790       | 53%      | 98.9%          | 96.7%            |
| SAU801473     | CJU100843       | 53%      | 98.9%          | 90.8%            |
| SAU801473     | CPN200333       | 26%      | 100%           | 91%              |
| SAU801473     | CTR200531       | 25%      | 100%           | 91%              |
| SAU801473     | CAC100114       | 58%      | 98.9%          | 97.8%            |
| SAU801473     | CBO102675       | 58%      | 98.9%          | 79.5%            |
| SAU801473     | CDF102299       | 58%      | 98.9%          | 97.8%            |
| SAU801473     | EBC102270       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | EFA201883       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | EFM100184       | 79%      | 98.9%          | 90.8%            |
| SAU801473     | ECO100432       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | HIN100410       | 66%      | 100%           | 66.2%            |
| SAU801473     | HPY100822       | 39%      | 100%           | 96.8%            |
| SAU801473     | KPN302503       | 58%      | 100%           | 100%             |
| SAU801473     | LPN101041       | 37%      | 94.4%          | 95.5%            |
| SAU801473     | LMO100364       | 82%      | 98.9%          | 97.8%            |
| SAU801473     | MCA101444       | 57%      | 98.9%          | 98.9%            |
| SAU801473     | MAV101405       | 39%      | 98.9%          | 42.0%            |
| SAU801473     | MBV102079       | 39%      | 98.9%          | 41.6%            |
| SAU801473     | MLP101029       | 39%      | 98.9%          | 44.5%            |
| SAU801473     | MTU202948       | 39%      | 98.9%          | 41.6%            |
| SAU801473     | NGO100251       | 51%      | 98.9%          | 100%             |
| SAU801473     | NME201722       | 47%      | 98.9%          | 97.8%            |
| SAU801473     | NME201276       | 51%      | 98.9%          | 100%             |
| SAU801473     | PMU101732       | 67%      | 100%           | 100%             |
| SAU801473     | PRT101499       | 65%      | 98.9%          | 92.7%            |
| SAU801473     | PAE201803       | 62%      | 98.9%          | 98.9%            |
| SAU801473     | PPU111425       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | PSY108978       | 58%      | 98.9%          | 98.9%            |
| SAU801473     | SPA102996       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | STY100727       | 61%      | 98.9%          | 98.9%            |
| SAU801473     | STM100440       | 60%      | 98.9%          | 98.9%            |
| SAU801473     | SAU801473       | 100%     | 100%           | 100%             |
| SAU801473     | SEP200458       | 100%     | 100%           | 100%             |
| SAU801473     | SHA101411       | 96%      | 100%           | 100%             |
| SAU801473     | SMU100719       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | SPN401020       | 75%      | 98.9%          | 97.8%            |
| SAU801473     | SPY201144       | 78%      | 98.9%          | 97.8%            |
| SAU801473     | TPA100248       | 34%      | 94.4%          | 81.0%            |
| SAU801473     | UUR100284       | 28%      | 96.7%          | 66.9%            |
| SAU801473     | VCH100270       | 58%      | 100%           | 100%             |
| SAU801473     | YPS001873       | 61%      | 98.9%          | 98.9%            |
| SAU801475     | ABA100688       | 42%      | 98.2%          | 91.3%            |
| SAU801475     | BAN111369       | 64%      | 99.8%          | 100%             |
| SAU801475     | BAN112079       | 75%      | 100%           | 100%             |
| SAU801475     | BFR10077        | 45%      | 28.7%          | 72.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801475     | BPT100007       | 41%      | 98.2%          | 96.5%            |
| SAU801475     | BBU100507       | 33%      | 74.5%          | 32.3%            |
| SAU801475     | BCE100856       | 37%      | 99.1%          | 96.5%            |
| SAU801475     | BFU105505       | 38%      | 98.2%          | 96.9%            |
| SAU801475     | BMA102074       | 39%      | 98.2%          | 96.9%            |
| SAU801475     | CJU100354       | 34%      | 98.6%          | 97.6%            |
| SAU801475     | CPN201006       | 31%      | 70.9%          | 27.7%            |
| SAU801475     | CTR200076       | 33%      | 69.7%          | 26.3%            |
| SAU801475     | CAC100098       | 52%      | 99.8%          | 99.5%            |
| SAU801475     | CBO101866       | 52%      | 99.8%          | 99.3%            |
| SAU801475     | CDF102465       | 52%      | 100%           | 99.1%            |
| SAU801475     | CDP101065       | 40%      | 67.2%          | 21.6%            |
| SAU801475     | EBC102035       | 41%      | 99.3%          | 95.3%            |
| SAU801475     | EFA201884       | 68%      | 99.8%          | 99.8%            |
| SAU801475     | ECO102462       | 42%      | 97.9%          | 90.1%            |
| SAU801475     | HIN100129       | 38%      | 98.9%          | 93.1%            |
| SAU801475     | HPY100821       | 34%      | 99.5%          | 97.4%            |
| SAU801475     | KPN305977       | 40%      | 99.3%          | 95.3%            |
| SAU801475     | LPN101429       | 41%      | 97.9%          | 92.0%            |
| SAU801475     | LMO102523       | 73%      | 99.8%          | 99.8%            |
| SAU801475     | MCA101523       | 41%      | 98.2%          | 90.9%            |
| SAU801475     | MAV102019       | 40%      | 99.1%          | 92.1%            |
| SAU801475     | MBV105348       | 39%      | 99.1%          | 92.7%            |
| SAU801475     | MLP100852       | 38%      | 99.1%          | 92.9%            |
| SAU801475     | MTU201691       | 39%      | 99.1%          | 92.7%            |
| SAU801475     | MGE100337       | 43%      | 98.9%          | 97.3%            |
| SAU801475     | MPN100366       | 43%      | 9.4%           | 45.2%            |
| SAU801475     | NGO101003       | 40%      | 98.2%          | 88.0%            |
| SAU801475     | NME200978       | 40%      | 98.2%          | 88.0%            |
| SAU801475     | PMU100105       | 38%      | 100%           | 94.1%            |
| SAU801475     | PRT102921       | 40%      | 97.9%          | 92.5%            |
| SAU801475     | PAE203796       | 38%      | 97.9%          | 90.9%            |
| SAU801475     | PPU112339       | 39%      | 97.9%          | 91.0%            |
| SAU801475     | PSY106808       | 41%      | 68.6%          | 83.2%            |
| SAU801475     | PSY103809       | 38%      | 97.9%          | 90.3%            |
| SAU801475     | SPA102739       | 43%      | 97.9%          | 90.2%            |
| SAU801475     | STY101715       | 42%      | 97.9%          | 92.4%            |
| SAU801475     | SAU801475       | 100%     | 100%           | 100%             |
| SAU801475     | SEP200461       | 93%      | 100%           | 100%             |
| SAU801475     | SHA101409       | 93%      | 100%           | 100%             |
| SAU801475     | SMU101355       | 62%      | 99.8%          | 99.8%            |
| SAU801475     | SPN401552       | 66%      | 99.8%          | 99.8%            |
| SAU801475     | SPY200248       | 66%      | 99.8%          | 99.8%            |
| SAU801475     | TPA100681       | 32%      | 98.9%          | 94.6%            |
| SAU801475     | UUR100386       | 44%      | 98.9%          | 98.0%            |
| SAU801475     | VCH100750       | 41%      | 97.9%          | 92.3%            |
| SAU801475     | YPS003216       | 41%      | 40.1%          | 77.2%            |
| SAU801476     | ABA101621       | 29%      | 32.2%          | 89.8%            |
| SAU801476     | BAN106697       | 46%      | 99.7%          | 100%             |
| SAU801476     | BAN102603       | 48%      | 99.7%          | 99.7%            |
| SAU801476     | BFR12241        | 34%      | 89.8%          | 42.7%            |
| SAU801476     | BPT100197       | 34%      | 88.2%          | 89.1%            |
| SAU801476     | BBU100126       | 27%      | 88.0%          | 32.2%            |
| SAU801476     | BCE109984       | 36%      | 88.2%          | 86.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801476     | BFU102076       | 36%      | 88.2%          | 88.9%            |
| SAU801476     | BMA105447       | 36%      | 88.2%          | 90%              |
| SAU801476     | CJU100824       | 29%      | 98.2%          | 96.6%            |
| SAU801476     | CPN200436       | 31%      | 93.4%          | 91.0%            |
| SAU801476     | CTR200367       | 31%      | 88.7%          | 79.3%            |
| SAU801476     | CAC100711       | 36%      | 41.4%          | 52.0%            |
| SAU801476     | CBO101243       | 40%      | 99.5%          | 97.4%            |
| SAU801476     | CDF100938       | 31%      | 98.5%          | 96.0%            |
| SAU801476     | CDP100313       | 40%      | 88.2%          | 32.2%            |
| SAU801476     | EBC100136       | 35%      | 89.0%          | 82.0%            |
| SAU801476     | EFA201885       | 49%      | 48.8%          | 92.6%            |
| SAU801476     | ECO100886       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | HIN101192       | 33%      | 88.0%          | 77.6%            |
| SAU801476     | HPY100395       | 28%      | 87.7%          | 30.0%            |
| SAU801476     | KPN302625       | 35%      | 89.3%          | 96.7%            |
| SAU801476     | LPN102947       | 36%      | 98.7%          | 98.9%            |
| SAU801476     | LMO101312       | 51%      | 99.7%          | 99.0%            |
| SAU801476     | MCA101969       | 34%      | 96.2%          | 93.1%            |
| SAU801476     | MAV106579       | 39%      | 92.3%          | 74.6%            |
| SAU801476     | MBV101279       | 39%      | 92.3%          | 66.9%            |
| SAU801476     | MLP100855       | 39%      | 92.3%          | 74.4%            |
| SAU801476     | MTU201609       | 39%      | 92.3%          | 74.4%            |
| SAU801476     | NGO100236       | 34%      | 86.7%          | 75.1%            |
| SAU801476     | NME201375       | 34%      | 86.7%          | 74.9%            |
| SAU801476     | PMU100801       | 33%      | 89.0%          | 79.1%            |
| SAU801476     | PRT100600       | 35%      | 95.4%          | 96.8%            |
| SAU801476     | PAE203160       | 36%      | 94.4%          | 79.4%            |
| SAU801476     | PPU100844       | 34%      | 88.5%          | 76.7%            |
| SAU801476     | PSY103125       | 35%      | 91.8%          | 77.4%            |
| SAU801476     | SPA102059       | 34%      | 94.6%          | 96.5%            |
| SAU801476     | STY102913       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | STM103301       | 35%      | 99.7%          | 99.6%            |
| SAU801476     | SAU801476       | 100%     | 100%           | 100%             |
| SAU801476     | SEP200462       | 87%      | 99.7%          | 99.7%            |
| SAU801476     | SHA101408       | 86%      | 99.7%          | 99.7%            |
| SAU801476     | SMU101029       | 42%      | 88.5%          | 65.7%            |
| SAU801476     | SPN400764       | 41%      | 87.7%          | 64%              |
| SAU801476     | SPY200684       | 42%      | 91.8%          | 90.0%            |
| SAU801476     | TPA100276       | 31%      | 92.6%          | 61.5%            |
| SAU801476     | VCH101885       | 34%      | 99.7%          | 99.6%            |
| SAU801476     | YPS001263       | 35%      | 88.2%          | 92.1%            |
| SAU801481     | BPT103701       | 20%      | 53.9%          | 77.1%            |
| SAU801481     | BCE109402       | 18%      | 61.1%          | 71.8%            |
| SAU801481     | LMO100891       | 27%      | 9.7%           | 38.5%            |
| SAU801481     | MBV100591       | 29%      | 20.8%          | 45.4%            |
| SAU801481     | MTU202815       | 26%      | 20.2%          | 17.4%            |
| SAU801481     | MTU202128       | 26%      | 24.1%          | 21.1%            |
| SAU801481     | MTU201308       | 27%      | 20.0%          | 18.4%            |
| SAU801481     | MTU200968       | 28%      | 16.5%          | 8.5%             |
| SAU801481     | MTU201056       | 32%      | 18.5%          | 15.6%            |
| SAU801481     | MTU200278       | 31%      | 17.9%          | 10.2%            |
| SAU801481     | MTU203538       | 30%      | 19.1%          | 17.0%            |
| SAU801481     | MTU200529       | 30%      | 17.3%          | 13.3%            |
| SAU801481     | MTU201226       | 30%      | 19.1%          | 17.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801481     | MTU203460       | 31%      | 17.9%          | 2.0%             |
| SAU801481     | MTU203301       | 32%      | 16.7%          | 18.6%            |
| SAU801481     | MTU200575       | 26%      | 23.7%          | 5.0%             |
| SAU801481     | PAE205178       | 31%      | 21.0%          | 64.4%            |
| SAU801481     | PPU110426       | 32%      | 21.0%          | 64.6%            |
| SAU801481     | PSY102383       | 26%      | 32.9%          | 68.6%            |
| SAU801481     | SAU801481       | 100%     | 100%           | 100%             |
| SAU801481     | SEP200466       | 41%      | 90.9%          | 19.1%            |
| SAU801481     | SHA102755       | 35%      | 88.9%          | 47.4%            |
| SAU801484     | BFU113561       | 28%      | 80.5%          | 78.9%            |
| SAU801484     | CAC101692       | 38%      | 76.8%          | 91.9%            |
| SAU801484     | CBO102099       | 38%      | 76.8%          | 89.4%            |
| SAU801484     | CDF102732       | 38%      | 76.8%          | 91.9%            |
| SAU801484     | CDP100996       | 26%      | 82.9%          | 56.2%            |
| SAU801484     | EFA201899       | 39%      | 74.4%          | 84.7%            |
| SAU801484     | EFM102447       | 34%      | 76.8%          | 86.3%            |
| SAU801484     | LMO101364       | 59%      | 87.8%          | 97.3%            |
| SAU801484     | MAV104191       | 37%      | 80.5%          | 76.9%            |
| SAU801484     | MBV100688       | 39%      | 70.7%          | 82.5%            |
| SAU801484     | MTU203456       | 39%      | 70.7%          | 82.5%            |
| SAU801484     | SAU801484       | 100%     | 100%           | 100%             |
| SAU801484     | SEP200469       | 93%      | 100%           | 100%             |
| SAU801484     | SHA100251       | 93%      | 100%           | 100%             |
| SAU801484     | SMU100898       | 28%      | 73.2%          | 87.5%            |
| SAU801484     | SPN401457       | 33%      | 79.3%          | 66.3%            |
| SAU801484     | SPY200593       | 28%      | 73.2%          | 87.7%            |
| SAU801487     | CAC101789       | 24%      | 48.7%          | 72.4%            |
| SAU801487     | CAC103687       | 25%      | 29.5%          | 20.0%            |
| SAU801487     | EFA203098       | 21%      | 29.5%          | 83.6%            |
| SAU801487     | KPN302263       | 22%      | 41.9%          | 46.0%            |
| SAU801487     | LPN100452       | 24%      | 38.6%          | 17.1%            |
| SAU801487     | SAU801490       | 83%      | 91.3%          | 94.4%            |
| SAU801487     | SAU801488       | 69%      | 98.0%          | 97.0%            |
| SAU801487     | SAU801487       | 100%     | 100%           | 100%             |
| SAU801487     | SEP201760       | 55%      | 90.3%          | 87.2%            |
| SAU801489     | BFR101222       | 29%      | 7.6%           | 21.7%            |
| SAU801489     | CBO101974       | 25%      | 18.5%          | 50.9%            |
| SAU801489     | ECO101555       | 27%      | 10.4%          | 30.6%            |
| SAU801489     | HPY101333       | 25%      | 20.4%          | 44.5%            |
| SAU801489     | LPN100915       | 23%      | 17.8%          | 21.3%            |
| SAU801489     | PRT105801       | 27%      | 21.9%          | 64.6%            |
| SAU801489     | SAU801489       | 100%     | 100%           | 100%             |
| SAU801489     | SEP204035       | 51%      | 6.2%           | 78.6%            |
| SAU801489     | YPS001066       | 19%      | 32.4%          | 48.8%            |
| SAU801490     | CAC101789       | 24%      | 47.6%          | 76.6%            |
| SAU801490     | LPN100452       | 24%      | 39.9%          | 17.1%            |
| SAU801490     | PPU112163       | 22%      | 85.8%          | 29.3%            |
| SAU801490     | SAU801487       | 83%      | 94.4%          | 91.3%            |
| SAU801490     | SAU801488       | 63%      | 95.8%          | 91.7%            |
| SAU801490     | SAU801486       | 56%      | 100%           | 91.8%            |
| SAU801490     | SAU801490       | 100%     | 100%           | 100%             |
| SAU801490     | SEP201760       | 51%      | 97.9%          | 91.4%            |
| SAU801490     | YPS002035       | 27%      | 34.7%          | 28.3%            |
| SAU801491     | BAN101808       | 29%      | 66.7%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801491     | BAN110636       | 34%      | 97.6%          | 98.6%            |
| SAU801491     | BFR104661       | 27%      | 68.2%          | 88.3%            |
| SAU801491     | BBU100419       | 30%      | 43.5%          | 17.7%            |
| SAU801491     | CBO100338       | 28%      | 96.9%          | 98.8%            |
| SAU801491     | LMO102271       | 33%      | 97.8%          | 98.8%            |
| SAU801491     | MGE100286       | 23%      | 26.9%          | 62.9%            |
| SAU801491     | STY104177       | 31%      | 19.0%          | 0.6%             |
| SAU801491     | STM103913       | 32%      | 19.0%          | 0.6%             |
| SAU801491     | SAU801491       | 100%     | 100%           | 100%             |
| SAU801491     | SEP200477       | 71%      | 98.8%          | 99.2%            |
| SAU801491     | SHA100281       | 68%      | 99.1%          | 99.8%            |
| SAU801491     | TPA100359       | 51%      | 6.3%           | 4.6%             |
| SAU801493     | ABA100571       | 36%      | 85.3%          | 69.1%            |
| SAU801493     | BAN106396       | 52%      | 94.3%          | 100%             |
| SAU801493     | BAN112374       | 58%      | 96.7%          | 97.9%            |
| SAU801493     | BFR101094       | 42%      | 94.7%          | 49.4%            |
| SAU801493     | BPT105047       | 36%      | 91.0%          | 38.5%            |
| SAU801493     | BCE101547       | 38%      | 63.3%          | 57.0%            |
| SAU801493     | BFU100864       | 35%      | 94.3%          | 65%              |
| SAU801493     | BMA103043       | 36%      | 93.5%          | 41.9%            |
| SAU801493     | CJU101613       | 30%      | 94.7%          | 95.7%            |
| SAU801493     | CAC103000       | 45%      | 95.9%          | 99.2%            |
| SAU801493     | CBO100831       | 45%      | 93.5%          | 96.6%            |
| SAU801493     | CDF103251       | 44%      | 95.5%          | 99.2%            |
| SAU801493     | CDP101061       | 39%      | 93.1%          | 72.0%            |
| SAU801493     | EBC103840       | 34%      | 96.7%          | 79.7%            |
| SAU801493     | EFA201902       | 52%      | 97.1%          | 100%             |
| SAU801493     | ECO103916       | 34%      | 96.7%          | 79.7%            |
| SAU801493     | HIN101172       | 34%      | 96.7%          | 68.1%            |
| SAU801493     | HPY101438       | 30%      | 92.7%          | 91.2%            |
| SAU801493     | KPN302620       | 34%      | 96.7%          | 79.4%            |
| SAU801493     | LPN101167       | 38%      | 93.5%          | 94.0%            |
| SAU801493     | LMO102115       | 58%      | 98.4%          | 98.8%            |
| SAU801493     | MCA100956       | 36%      | 85.3%          | 64.6%            |
| SAU801493     | MAV102015       | 42%      | 93.1%          | 93.5%            |
| SAU801493     | MBV105381       | 38%      | 93.1%          | 90.9%            |
| SAU801493     | MLP100850       | 39%      | 93.5%          | 90.3%            |
| SAU801493     | MTU201689       | 38%      | 93.1%          | 90.9%            |
| SAU801493     | NGO101107       | 38%      | 94.3%          | 67.1%            |
| SAU801493     | NME201432       | 37%      | 97.6%          | 94.9%            |
| SAU801493     | PMU100661       | 35%      | 88.2%          | 64.1%            |
| SAU801493     | PRT101163       | 34%      | 93.1%          | 76.0%            |
| SAU801493     | PAE203177       | 33%      | 94.7%          | 61.4%            |
| SAU801493     | PPU100429       | 35%      | 94.7%          | 66.8%            |
| SAU801493     | PSY103194       | 34%      | 94.7%          | 58.1%            |
| SAU801493     | SPA102160       | 36%      | 85.7%          | 89.2%            |
| SAU801493     | STY103030       | 34%      | 96.7%          | 83.5%            |
| SAU801493     | STM102148       | 32%      | 95.5%          | 78.9%            |
| SAU801493     | SAU801493       | 100%     | 100%           | 100%             |
| SAU801493     | SEP200481       | 84%      | 100%           | 100%             |
| SAU801493     | SHA100025       | 86%      | 41.2%          | 100%             |
| SAU801493     | SMU100469       | 51%      | 95.9%          | 97.9%            |
| SAU801493     | SPN401687       | 49%      | 95.9%          | 97.9%            |
| SAU801493     | SPY200268       | 47%      | 97.6%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801493     | TPA100455       | 29%      | 93.1%          | 92.0%            |
| SAU801493     | VCH101160       | 35%      | 96.7%          | 75.4%            |
| SAU801493     | YPS000890       | 35%      | 96.7%          | 76.4%            |
| SAU801500     | BAN111913       | 47%      | 89.7%          | 89.5%            |
| SAU801500     | BAN102220       | 49%      | 90.4%          | 90.1%            |
| SAU801500     | CDF102758       | 24%      | 85.8%          | 67.8%            |
| SAU801500     | NGO101868       | 30%      | 22.5%          | 45.4%            |
| SAU801500     | NME200254       | 28%      | 30.1%          | 77.0%            |
| SAU801500     | SAU801500       | 100%     | 100%           | 100%             |
| SAU801500     | SEP200495       | 77%      | 99.7%          | 99.7%            |
| SAU801500     | SHA101159       | 78%      | 99.7%          | 99.7%            |
| SAU801505     | BAN108522       | 24%      | 14.0%          | 92.4%            |
| SAU801505     | BAN109710       | 38%      | 34.6%          | 96.2%            |
| SAU801505     | BAN100420       | 36%      | 97.2%          | 100%             |
| SAU801505     | BAN107027       | 45%      | 97.0%          | 97.6%            |
| SAU801505     | BFR106011       | 42%      | 97.0%          | 96.0%            |
| SAU801505     | BBU100635       | 41%      | 97.6%          | 97.9%            |
| SAU801505     | BCE103506       | 40%      | 98.0%          | 97.4%            |
| SAU801505     | BFU110875       | 40%      | 98.6%          | 92.7%            |
| SAU801505     | BMA104058       | 38%      | 97.0%          | 97.5%            |
| SAU801505     | CPN200514       | 40%      | 97.4%          | 95.7%            |
| SAU801505     | CTR200450       | 41%      | 97.4%          | 96.4%            |
| SAU801505     | CDP100263       | 35%      | 96.8%          | 99.4%            |
| SAU801505     | EBC101990       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | EFA202157       | 51%      | 97.0%          | 95.7%            |
| SAU801505     | EFM200783       | 52%      | 97.0%          | 95.5%            |
| SAU801505     | ECO101820       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | HIN100537       | 40%      | 96.8%          | 96.4%            |
| SAU801505     | HPY101084       | 33%      | 92.9%          | 95.5%            |
| SAU801505     | KPN301980       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | LPN101375       | 36%      | 97.8%          | 97.2%            |
| SAU801505     | LMO101587       | 58%      | 97.2%          | 97.6%            |
| SAU801505     | MAV100342       | 37%      | 97.4%          | 93.4%            |
| SAU801505     | MBV100250       | 37%      | 97.4%          | 94.2%            |
| SAU801505     | MTU201428       | 37%      | 97.4%          | 94.2%            |
| SAU801505     | NGO101240       | 40%      | 97.4%          | 98.1%            |
| SAU801505     | NME201469       | 39%      | 97.4%          | 98.1%            |
| SAU801505     | PMU101549       | 40%      | 96.8%          | 96.0%            |
| SAU801505     | PRT102542       | 39%      | 97.2%          | 97.4%            |
| SAU801505     | PAE205434       | 38%      | 99.0%          | 99.6%            |
| SAU801505     | PPU102310       | 40%      | 97.6%          | 99.2%            |
| SAU801505     | PSY105445       | 40%      | 97.8%          | 96.3%            |
| SAU801505     | SPA101656       | 44%      | 50.6%          | 83.5%            |
| SAU801505     | STY102250       | 37%      | 97.2%          | 97.4%            |
| SAU801505     | SAU801505       | 100%     | 100%           | 100%             |
| SAU801505     | SEP200503       | 89%      | 99.8%          | 99.8%            |
| SAU801505     | SHA101154       | 85%      | 65.6%          | 100%             |
| SAU801505     | SPN401121       | 44%      | 97.0%          | 96.0%            |
| SAU801505     | TPA100474       | 39%      | 97.4%          | 94.8%            |
| SAU801505     | VCH103615       | 44%      | 96.8%          | 95.2%            |
| SAU801505     | YPS003483       | 38%      | 99.0%          | 98.6%            |
| SAU801507     | BAN108822       | 57%      | 99.3%          | 99.6%            |
| SAU801507     | BAN110449       | 62%      | 100%           | 94.5%            |
| SAU801507     | BFR12473        | 25%      | 67.4%          | 62.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801507     | BPT104697       | 28%      | 91.6%          | 87.1%            |
| SAU801507     | BFU109800       | 29%      | 94.0%          | 43.2%            |
| SAU801507     | BMA108112       | 30%      | 94.0%          | 44.1%            |
| SAU801507     | CBO101845       | 58%      | 98.9%          | 98.9%            |
| SAU801507     | CDP101743       | 32%      | 90.5%          | 88.5%            |
| SAU801507     | EFA202421       | 48%      | 99.1%          | 99.6%            |
| SAU801507     | EFM200113       | 48%      | 99.6%          | 99.1%            |
| SAU801507     | HIN101324       | 20%      | 66.8%          | 58.0%            |
| SAU801507     | LPN102297       | 30%      | 10.2%          | 6.7%             |
| SAU801507     | MAV101648       | 30%      | 91.6%          | 83.4%            |
| SAU801507     | MBV103520       | 30%      | 91.6%          | 82.0%            |
| SAU801507     | MTU404234       | 30%      | 91.6%          | 90.3%            |
| SAU801507     | PMU100542       | 22%      | 38.3%          | 31.1%            |
| SAU801507     | PAE202150       | 30%      | 94.2%          | 46.2%            |
| SAU801507     | PPU100890       | 30%      | 91.6%          | 44.7%            |
| SAU801507     | PSY102525       | 31%      | 94.4%          | 47.0%            |
| SAU801507     | SAU801507       | 100%     | 100%           | 100%             |
| SAU801507     | SEP200506       | 77%      | 99.8%          | 100%             |
| SAU801507     | SHA100419       | 79%      | 83.1%          | 100%             |
| SAU801507     | SMU100841       | 44%      | 100%           | 100%             |
| SAU801507     | SPN400310       | 43%      | 99.8%          | 99.8%            |
| SAU801507     | SPY201517       | 44%      | 99.8%          | 99.6%            |
| SAU801508     | BAN105249       | 39%      | 59.9%          | 59.9%            |
| SAU801508     | BAN103335       | 36%      | 98.8%          | 97.1%            |
| SAU801508     | CAC101861       | 29%      | 98.5%          | 94.5%            |
| SAU801508     | CBO101579       | 30%      | 98.8%          | 98.8%            |
| SAU801508     | EBC102003       | 28%      | 94.1%          | 97.8%            |
| SAU801508     | EFA202242       | 30%      | 95.9%          | 95.2%            |
| SAU801508     | EFM200454       | 28%      | 99.4%          | 98.2%            |
| SAU801508     | ECO101291       | 28%      | 92.9%          | 94.6%            |
| SAU801508     | LMO101532       | 28%      | 99.4%          | 98.2%            |
| SAU801508     | SAU801508       | 100%     | 100%           | 100%             |
| SAU801508     | SHA100288       | 41%      | 94.1%          | 99.7%            |
| SAU801508     | SMU101053       | 31%      | 99.7%          | 98.5%            |
| SAU801508     | SPN401919       | 34%      | 79.6%          | 81.7%            |
| SAU801508     | SPY200996       | 32%      | 99.7%          | 98.8%            |
| SAU801511     | ABA106023       | 23%      | 42.3%          | 63.5%            |
| SAU801511     | BAN111119       | 61%      | 11.5%          | 84.4%            |
| SAU801511     | BAN105234       | 53%      | 84.6%          | 97.8%            |
| SAU801511     | BAN113086       | 64%      | 98.9%          | 99.1%            |
| SAU801511     | BFR101518       | 51%      | 98.5%          | 95.5%            |
| SAU801511     | BPT101882       | 25%      | 44.0%          | 66.9%            |
| SAU801511     | BBU100560       | 49%      | 98.5%          | 99.4%            |
| SAU801511     | BCE101525       | 65%      | 98.9%          | 99.1%            |
| SAU801511     | BFU110445       | 62%      | 98.9%          | 99.1%            |
| SAU801511     | BMA101484       | 63%      | 99.4%          | 99.4%            |
| SAU801511     | CPN200393       | 47%      | 99.6%          | 98.1%            |
| SAU801511     | CTR200328       | 47%      | 98.7%          | 97.3%            |
| SAU801511     | CAC103227       | 24%      | 51.5%          | 77.7%            |
| SAU801511     | CDF100221       | 24%      | 47.2%          | 69.4%            |
| SAU801511     | CDP101096       | 52%      | 98.7%          | 96.5%            |
| SAU801511     | EBC100628       | 66%      | 60.0%          | 100%             |
| SAU801511     | EFA202110       | 67%      | 99.6%          | 99.2%            |
| SAU801511     | EFM201302       | 32%      | 96.6%          | 99%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801511     | ECO101988       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | HIN100532       | 56%      | 98.5%          | 95.9%            |
| SAU801511     | HPY200581       | 21%      | 45.5%          | 69.8%            |
| SAU801511     | KPN300636       | 66%      | 98.3%          | 100%             |
| SAU801511     | LPN102651       | 26%      | 43.2%          | 64.4%            |
| SAU801511     | LMO100124       | 64%      | 98.9%          | 98.3%            |
| SAU801511     | MAV102693       | 49%      | 99.1%          | 95.5%            |
| SAU801511     | MBV102034       | 50%      | 93.2%          | 99.5%            |
| SAU801511     | MLP101249       | 50%      | 99.4%          | 96.5%            |
| SAU801511     | MTU201811       | 51%      | 98.7%          | 95.9%            |
| SAU801511     | NGO102016       | 54%      | 99.4%          | 97.1%            |
| SAU801511     | NME200246       | 54%      | 99.4%          | 97.1%            |
| SAU801511     | PMU101554       | 56%      | 98.5%          | 95.9%            |
| SAU801511     | PRT100074       | 66%      | 54.9%          | 98.8%            |
| SAU801511     | PAE201575       | 25%      | 41.7%          | 64.6%            |
| SAU801511     | PPU102849       | 29%      | 96.4%          | 99.1%            |
| SAU801511     | PSY105462       | 31%      | 81.0%          | 98.5%            |
| SAU801511     | SPA105071       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | STY103509       | 66%      | 99.4%          | 99.4%            |
| SAU801511     | STM100645       | 21%      | 60.0%          | 89.7%            |
| SAU801511     | SAU801511       | 100%     | 100%           | 100%             |
| SAU801511     | SEP200507       | 89%      | 100%           | 100%             |
| SAU801511     | SHA102447       | 83%      | 100%           | 100%             |
| SAU801511     | SHA100561       | 91%      | 100%           | 98.7%            |
| SAU801511     | SPN400335       | 66%      | 98.9%          | 98.5%            |
| SAU801511     | SPY102341       | 66%      | 16.0%          | 97.4%            |
| SAU801511     | TPA100327       | 50%      | 99.4%          | 97.1%            |
| SAU801511     | VCH103617       | 55%      | 99.4%          | 97.1%            |
| SAU801511     | YPS002961       | 68%      | 99.1%          | 99.1%            |
| SAU801513     | BAN108627       | 35%      | 95.1%          | 96.9%            |
| SAU801513     | BAN111615       | 36%      | 95.1%          | 96.6%            |
| SAU801513     | BFR11644        | 24%      | 43.6%          | 36.4%            |
| SAU801513     | CAC100965       | 31%      | 94.5%          | 96.9%            |
| SAU801513     | CBO101390       | 31%      | 94.5%          | 93.7%            |
| SAU801513     | CDF101701       | 20%      | 91.7%          | 92.3%            |
| SAU801513     | EFA202281       | 30%      | 96.3%          | 99.1%            |
| SAU801513     | EFM101954       | 28%      | 50%            | 85.9%            |
| SAU801513     | LMO100864       | 27%      | 94.8%          | 95.1%            |
| SAU801513     | MBV104087       | 21%      | 40.5%          | 39.2%            |
| SAU801513     | MTU202534       | 21%      | 40.5%          | 39.2%            |
| SAU801513     | PAE203357       | 21%      | 42.3%          | 43.5%            |
| SAU801513     | PPU111785       | 22%      | 26.4%          | 51.7%            |
| SAU801513     | SAU801513       | 100%     | 100%           | 100%             |
| SAU801513     | SEP200509       | 76%      | 99.7%          | 100%             |
| SAU801513     | SHA100407       | 70%      | 99.7%          | 100%             |
| SAU801513     | SPN401597       | 26%      | 94.5%          | 97.5%            |
| SAU801513     | SPY200963       | 24%      | 93.6%          | 96.2%            |
| SAU801514     | BAN109993       | 70%      | 97.9%          | 98.6%            |
| SAU801514     | SAU801514       | 100%     | 100%           | 100%             |
| SAU801514     | SEP200880       | 87%      | 100%           | 100%             |
| SAU801514     | SHA100406       | 88%      | 100%           | 100%             |
| SAU801515     | BAN113643       | 43%      | 99.5%          | 98.9%            |
| SAU801515     | BAN110237       | 52%      | 99.5%          | 98.9%            |
| SAU801515     | BFR11470        | 36%      | 97.9%          | 98.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801515     | CPN200222       | 32%      | 98.3%          | 99.0%            |
| SAU801515     | CTR200670       | 30%      | 98.3%          | 93.9%            |
| SAU801515     | CDF100259       | 33%      | 69.6%          | 84.8%            |
| SAU801515     | CDP100400       | 39%      | 17.2%          | 22.2%            |
| SAU801515     | EFA201273       | 48%      | 99.8%          | 99.1%            |
| SAU801515     | LMO102719       | 56%      | 99.8%          | 99.0%            |
| SAU801515     | MBV104450       | 33%      | 46.9%          | 12.1%            |
| SAU801515     | MTU202181       | 33%      | 46.9%          | 12.1%            |
| SAU801515     | MGE100278       | 33%      | 97.6%          | 97.4%            |
| SAU801515     | SAU801515       | 100%     | 100%           | 100%             |
| SAU801515     | SEP200881       | 68%      | 100%           | 100%             |
| SAU801515     | SHA100405       | 70%      | 100%           | 100%             |
| SAU801516     | ABA101027       | 41%      | 99.7%          | 99.7%            |
| SAU801516     | BAN105255       | 43%      | 85.0%          | 90.3%            |
| SAU801516     | BAN110745       | 69%      | 100%           | 100%             |
| SAU801516     | BFR11469        | 41%      | 98.2%          | 47.0%            |
| SAU801516     | BFU108548       | 43%      | 96.3%          | 96.4%            |
| SAU801516     | CPN200731       | 43%      | 97.9%          | 47.8%            |
| SAU801516     | CTR200608       | 43%      | 97.9%          | 47.8%            |
| SAU801516     | CBO101881       | 46%      | 99.1%          | 99.7%            |
| SAU801516     | CDF100258       | 44%      | 93.9%          | 97.8%            |
| SAU801516     | EFA201271       | 56%      | 100%           | 49.6%            |
| SAU801516     | ECO100412       | 25%      | 75.2%          | 36.9%            |
| SAU801516     | KPN304382       | 26%      | 74.9%          | 75.2%            |
| SAU801516     | LMO101318       | 65%      | 100%           | 100%             |
| SAU801516     | MAV101952       | 41%      | 96.3%          | 93.2%            |
| SAU801516     | PRT104897       | 25%      | 74.3%          | 36.2%            |
| SAU801516     | PAE202246       | 43%      | 91.1%          | 88.9%            |
| SAU801516     | PSY101642       | 26%      | 70.9%          | 71.9%            |
| SAU801516     | SPA102152       | 22%      | 70.0%          | 72.5%            |
| SAU801516     | STY100985       | 23%      | 70.0%          | 69.4%            |
| SAU801516     | SAU801516       | 100%     | 100%           | 100%             |
| SAU801516     | SEP200882       | 89%      | 100%           | 100%             |
| SAU801516     | SHA100929       | 87%      | 75.8%          | 96.9%            |
| SAU801516     | SMU100292       | 40%      | 99.1%          | 98.0%            |
| SAU801516     | SPN401050       | 45%      | 97.9%          | 97.0%            |
| SAU801516     | SPY200776       | 44%      | 95.1%          | 94.9%            |
| SAU801516     | TPA100815       | 24%      | 73.1%          | 36.7%            |
| SAU801516     | VCH100873       | 24%      | 74.0%          | 36.7%            |
| SAU801516     | YPS003520       | 25%      | 75.2%          | 74.5%            |
| SAU801517     | ABA101029       | 33%      | 95.8%          | 98.4%            |
| SAU801517     | BAN100062       | 46%      | 97.9%          | 99.1%            |
| SAU801517     | BAN105443       | 55%      | 97.9%          | 97.6%            |
| SAU801517     | BFU114632       | 32%      | 96.7%          | 97.9%            |
| SAU801517     | CJU100290       | 23%      | 49.7%          | 33.8%            |
| SAU801517     | EFA103865       | 45%      | 96.1%          | 97.9%            |
| SAU801517     | LMO102895       | 55%      | 97.6%          | 97.9%            |
| SAU801517     | PPU103038       | 33%      | 95.8%          | 97.5%            |
| SAU801517     | SAU801517       | 100%     | 100%           | 100%             |
| SAU801517     | SEP200883       | 81%      | 99.1%          | 98.5%            |
| SAU801517     | SHA100928       | 82%      | 99.7%          | 99.1%            |
| SAU801517     | SPN401051       | 31%      | 96.4%          | 99.1%            |
| SAU801518     | BAN105760       | 32%      | 88.4%          | 93.5%            |
| SAU801518     | BAN100264       | 48%      | 99.2%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801518     | BFR11786        | 32%      | 96.6%          | 99.3%            |
| SAU801518     | BFR10034        | 32%      | 96.6%          | 98.9%            |
| SAU801518     | EFA201252       | 48%      | 99.2%          | 99.4%            |
| SAU801518     | LMO100523       | 46%      | 99.2%          | 99.4%            |
| SAU801518     | SAU801518       | 100%     | 100%           | 100%             |
| SAU801518     | SEP200884       | 70%      | 100%           | 100%             |
| SAU801518     | SHA100927       | 70%      | 100%           | 95.0%            |
| SAU801518     | SMU101480       | 36%      | 99.8%          | 78.5%            |
| SAU801518     | SPY200778       | 35%      | 99.8%          | 77.9%            |
| SAU801521     | ABA101203       | 40%      | 89.4%          | 87.8%            |
| SAU801521     | BAN104007       | 40%      | 90.1%          | 98.9%            |
| SAU801521     | BAN101637       | 45%      | 95.9%          | 94.9%            |
| SAU801521     | BFR11516        | 38%      | 64.2%          | 65.5%            |
| SAU801521     | BPT101397       | 37%      | 91.5%          | 89.4%            |
| SAU801521     | BCE105992       | 38%      | 97.6%          | 97.3%            |
| SAU801521     | BFU102595       | 41%      | 89.4%          | 88.7%            |
| SAU801521     | BMA106450       | 38%      | 91.5%          | 90.8%            |
| SAU801521     | CJU101550       | 42%      | 76.1%          | 78.6%            |
| SAU801521     | CPN201106       | 34%      | 66.9%          | 70.2%            |
| SAU801521     | CTR200905       | 32%      | 84.0%          | 83.2%            |
| SAU801521     | CAC100312       | 44%      | 97.6%          | 99.0%            |
| SAU801521     | CBO103178       | 44%      | 92.8%          | 91.8%            |
| SAU801521     | CDF101808       | 50%      | 76.8%          | 76.9%            |
| SAU801521     | EBC103067       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | EFA202196       | 49%      | 87.7%          | 88.7%            |
| SAU801521     | EFM100682       | 48%      | 81.2%          | 89.8%            |
| SAU801521     | ECO100413       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | HIN101407       | 43%      | 87.4%          | 87.5%            |
| SAU801521     | HPY100913       | 35%      | 83.3%          | 80.9%            |
| SAU801521     | KPN303447       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | LPN101272       | 41%      | 82.3%          | 83.3%            |
| SAU801521     | LMO102568       | 52%      | 97.6%          | 95.9%            |
| SAU801521     | MCA102758       | 38%      | 94.5%          | 81.9%            |
| SAU801521     | MAV101215       | 32%      | 71.0%          | 53.0%            |
| SAU801521     | MBV101130       | 34%      | 70.0%          | 64.7%            |
| SAU801521     | MTU203338       | 34%      | 70.0%          | 57.1%            |
| SAU801521     | NGO100628       | 41%      | 86.0%          | 83.6%            |
| SAU801521     | NME202061       | 41%      | 86.0%          | 83.6%            |
| SAU801521     | PMU100533       | 40%      | 96.9%          | 96.3%            |
| SAU801521     | PRT101971       | 40%      | 96.2%          | 92.5%            |
| SAU801521     | PAE204040       | 41%      | 88.7%          | 88.5%            |
| SAU801521     | PPU108239       | 39%      | 90.8%          | 90.5%            |
| SAU801521     | PSY102175       | 40%      | 90.8%          | 90.5%            |
| SAU801521     | SPA103652       | 36%      | 90.8%          | 90.3%            |
| SAU801521     | STY100443       | 42%      | 90.8%          | 90.3%            |
| SAU801521     | SAU801521       | 100%     | 100%           | 100%             |
| SAU801521     | SEP200890       | 68%      | 100%           | 100%             |
| SAU801521     | SHA100008       | 69%      | 100%           | 100%             |
| SAU801521     | SMU100705       | 44%      | 95.9%          | 97.9%            |
| SAU801521     | SPN401086       | 45%      | 88.4%          | 89.7%            |
| SAU801521     | SPY201152       | 47%      | 89.1%          | 90.3%            |
| SAU801521     | VCH100874       | 44%      | 92.2%          | 92.5%            |
| SAU801521     | YPS001917       | 41%      | 91.1%          | 88.6%            |
| SAU801523     | ABA105166       | 23%      | 98.9%          | 97.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801523     | BAN107094       | 37%      | 96.6%          | 98.2%            |
| SAU801523     | BAN107312       | 41%      | 98.2%          | 97.1%            |
| SAU801523     | BFR10436        | 22%      | 98.2%          | 99.8%            |
| SAU801523     | BCE105570       | 35%      | 36.0%          | 87.3%            |
| SAU801523     | BFU106862       | 32%      | 97.8%          | 94.1%            |
| SAU801523     | BMA103262       | 32%      | 98.2%          | 85.1%            |
| SAU801523     | CJU100294       | 35%      | 74.4%          | 85.8%            |
| SAU801523     | CPN200772       | 35%      | 97.8%          | 97.5%            |
| SAU801523     | CTR200597       | 32%      | 99.1%          | 98.1%            |
| SAU801523     | CAC102940       | 37%      | 98.2%          | 98.7%            |
| SAU801523     | CBO103748       | 39%      | 84.5%          | 95.0%            |
| SAU801523     | CDF101807       | 35%      | 98.0%          | 97.5%            |
| SAU801523     | CDP100939       | 28%      | 91.5%          | 90.1%            |
| SAU801523     | EBC102031       | 36%      | 98.0%          | 95.4%            |
| SAU801523     | EFA202200       | 42%      | 99.3%          | 98.7%            |
| SAU801523     | EFM100680       | 42%      | 98.4%          | 98.4%            |
| SAU801523     | ECO102460       | 35%      | 98.0%          | 95.6%            |
| SAU801523     | HIN100377       | 37%      | 92.4%          | 94.1%            |
| SAU801523     | HPY100965       | 42%      | 17.3%          | 63.6%            |
| SAU801523     | HPY100255       | 34%      | 98.4%          | 99.0%            |
| SAU801523     | KPN304083       | 35%      | 97.8%          | 94.0%            |
| SAU801523     | LPN102596       | 32%      | 98.2%          | 98.2%            |
| SAU801523     | LMO100760       | 39%      | 97.8%          | 96.9%            |
| SAU801523     | MCA102830       | 23%      | 98.9%          | 87.8%            |
| SAU801523     | MAV100804       | 28%      | 92.6%          | 90.4%            |
| SAU801523     | MBV104380       | 28%      | 81.6%          | 79.3%            |
| SAU801523     | MLP101180       | 29%      | 92.6%          | 88.6%            |
| SAU801523     | MTU201093       | 28%      | 81.6%          | 79.3%            |
| SAU801523     | NGO101103       | 34%      | 99.1%          | 98.6%            |
| SAU801523     | NME201434       | 34%      | 99.8%          | 97.6%            |
| SAU801523     | PMU100168       | 35%      | 99.1%          | 99.3%            |
| SAU801523     | PRT103272       | 34%      | 98.0%          | 94.4%            |
| SAU801523     | PAE203774       | 33%      | 92.4%          | 89.3%            |
| SAU801523     | PPU101396       | 36%      | 91.5%          | 88.5%            |
| SAU801523     | PSY103770       | 35%      | 92.6%          | 88.8%            |
| SAU801523     | SPA100549       | 38%      | 76.9%          | 91.8%            |
| SAU801523     | STY101689       | 35%      | 98.7%          | 97.8%            |
| SAU801523     | STM101426       | 35%      | 98.7%          | 97.8%            |
| SAU801523     | SAU801523       | 100%     | 100%           | 100%             |
| SAU801523     | SEP200892       | 76%      | 100%           | 100%             |
| SAU801523     | SHA100991       | 72%      | 99.3%          | 99.3%            |
| SAU801523     | SMU100701       | 41%      | 99.1%          | 98.9%            |
| SAU801523     | SPN401088       | 42%      | 99.1%          | 98.7%            |
| SAU801523     | SPY201154       | 39%      | 99.8%          | 99.8%            |
| SAU801523     | VCH100753       | 34%      | 95.7%          | 95.5%            |
| SAU801523     | YPS003204       | 33%      | 98.7%          | 95.6%            |
| SAU801526     | ABA100122       | 49%      | 99.8%          | 98.0%            |
| SAU801526     | BAN102154       | 62%      | 97.6%          | 99.5%            |
| SAU801526     | BAN113444       | 66%      | 99.1%          | 99.3%            |
| SAU801526     | BFR11613        | 50%      | 98.4%          | 87.9%            |
| SAU801526     | BFR11898        | 53%      | 98.0%          | 87.5%            |
| SAU801526     | BPT100134       | 51%      | 98.2%          | 96.9%            |
| SAU801526     | BCE104481       | 53%      | 97.8%          | 96.5%            |
| SAU801526     | BFU115826       | 52%      | 97.8%          | 96.5%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801526     | BMA101045       | 52%      | 97.8%          | 96.5%            |
| SAU801526     | CJU101214       | 51%      | 98.4%          | 99.5%            |
| SAU801526     | CPN200575       | 56%      | 98.0%          | 97.1%            |
| SAU801526     | CTR200394       | 56%      | 98.2%          | 96.7%            |
| SAU801526     | CAC103617       | 60%      | 98.2%          | 98.9%            |
| SAU801526     | CBO103874       | 56%      | 98.0%          | 98.4%            |
| SAU801526     | CDF101399       | 55%      | 98.0%          | 97.4%            |
| SAU801526     | CDP100825       | 47%      | 95.1%          | 71.9%            |
| SAU801526     | EBC102634       | 49%      | 69.8%          | 99.0%            |
| SAU801526     | EFA200245       | 58%      | 99.3%          | 98.2%            |
| SAU801526     | EFM201807       | 58%      | 98.9%          | 97.2%            |
| SAU801526     | ECO103186       | 53%      | 98.2%          | 98.2%            |
| SAU801526     | HIN100951       | 54%      | 99.6%          | 99.8%            |
| SAU801526     | HPY100366       | 51%      | 98.4%          | 96.5%            |
| SAU801526     | KPN308876       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | LPN102993       | 53%      | 98.2%          | 98.7%            |
| SAU801526     | LMO101165       | 68%      | 99.3%          | 98.7%            |
| SAU801526     | MCA102208       | 50%      | 98.0%          | 98.2%            |
| SAU801526     | MAV103606       | 49%      | 97.3%          | 61.9%            |
| SAU801526     | MBV101167       | 46%      | 98.0%          | 67.7%            |
| SAU801526     | MLP100439       | 47%      | 93.1%          | 69.9%            |
| SAU801526     | MTU202464       | 46%      | 98.0%          | 67.7%            |
| SAU801526     | MPN100138       | 21%      | 33.7%          | 47.6%            |
| SAU801526     | NGO101616       | 53%      | 98.0%          | 97.1%            |
| SAU801526     | NME200552       | 52%      | 98.0%          | 97.1%            |
| SAU801526     | PMU101091       | 54%      | 99.6%          | 99.8%            |
| SAU801526     | PRT100504       | 52%      | 98.2%          | 98.4%            |
| SAU801526     | PAE205431       | 54%      | 98.4%          | 93.6%            |
| SAU801526     | PPU102301       | 54%      | 98.4%          | 93.6%            |
| SAU801526     | PSY108097       | 51%      | 98.0%          | 98.4%            |
| SAU801526     | SPA101601       | 52%      | 98.2%          | 99.3%            |
| SAU801526     | STY101665       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | STM102307       | 52%      | 98.2%          | 98.2%            |
| SAU801526     | SAU801526       | 100%     | 100%           | 100%             |
| SAU801526     | SEP200908       | 88%      | 99.6%          | 99.3%            |
| SAU801526     | SHA100988       | 88%      | 99.8%          | 99.8%            |
| SAU801526     | SMU100533       | 59%      | 96.9%          | 97.1%            |
| SAU801526     | SPN400385       | 56%      | 97.6%          | 96.9%            |
| SAU801526     | SPY201344       | 59%      | 97.6%          | 97.1%            |
| SAU801526     | VCH100291       | 54%      | 98.2%          | 98.7%            |
| SAU801526     | YPS003128       | 54%      | 98.2%          | 98.2%            |
| SAU801529     | SAU801529       | 100%     | 100%           | 100%             |
| SAU801530     | EFM102296       | 36%      | 26.2%          | 98.0%            |
| SAU801530     | LPN102745       | 26%      | 56.5%          | 28.1%            |
| SAU801530     | SAU801530       | 100%     | 100%           | 100%             |
| SAU801530     | SEP200922       | 73%      | 97.9%          | 53.0%            |
| SAU801530     | SHA100985       | 60%      | 97.9%          | 53.1%            |
| SAU801530     | SPN200817       | 50%      | 24.1%          | 76.7%            |
| SAU801530     | SPY100203       | 31%      | 34.6%          | 90.4%            |
| SAU801537     | ABA100533       | 28%      | 20.7%          | 29.6%            |
| SAU801537     | BAN111655       | 51%      | 88.7%          | 99.1%            |
| SAU801537     | BAN103769       | 52%      | 97.0%          | 96.7%            |
| SAU801537     | BFR10109        | 42%      | 97.2%          | 98.6%            |
| SAU801537     | BPT101499       | 38%      | 98.3%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801537     | BCE108544       | 37%      | 97.2%          | 96.0%            |
| SAU801537     | BFU101740       | 38%      | 97.8%          | 96.5%            |
| SAU801537     | BMA104071       | 39%      | 97.2%          | 96.0%            |
| SAU801537     | CBO100281       | 49%      | 97.8%          | 95.5%            |
| SAU801537     | EBC102214       | 41%      | 97.0%          | 96.4%            |
| SAU801537     | ECO102841       | 42%      | 97.0%          | 96.4%            |
| SAU801537     | HIN100446       | 29%      | 16.0%          | 20.7%            |
| SAU801537     | HPY100369       | 30%      | 23.7%          | 11.4%            |
| SAU801537     | KPN302317       | 42%      | 97.0%          | 96.4%            |
| SAU801537     | LPN102134       | 43%      | 96.7%          | 96.4%            |
| SAU801537     | LMO101246       | 51%      | 97.5%          | 97.2%            |
| SAU801537     | MCA103134       | 37%      | 97.0%          | 95.6%            |
| SAU801537     | MAV101181       | 38%      | 97.8%          | 96.5%            |
| SAU801537     | MBV103611       | 37%      | 97.2%          | 92.9%            |
| SAU801537     | MLP100525       | 36%      | 97.5%          | 96.2%            |
| SAU801537     | MTU202177       | 37%      | 97.2%          | 92.9%            |
| SAU801537     | NGO101406       | 40%      | 97.2%          | 95.9%            |
| SAU801537     | NME200699       | 39%      | 97.2%          | 95.4%            |
| SAU801537     | PRT102357       | 40%      | 97.0%          | 96.4%            |
| SAU801537     | PAE205210       | 40%      | 96.7%          | 96.1%            |
| SAU801537     | PPU102197       | 40%      | 97.0%          | 96.4%            |
| SAU801537     | PSY103024       | 42%      | 89.8%          | 90%              |
| SAU801537     | SPA100601       | 41%      | 80.4%          | 94.8%            |
| SAU801537     | STY104162       | 41%      | 97.0%          | 96.4%            |
| SAU801537     | SAU801537       | 100%     | 100%           | 100%             |
| SAU801537     | SEP200945       | 76%      | 100%           | 100%             |
| SAU801537     | SHA100726       | 78%      | 66.1%          | 100%             |
| SAU801537     | YPS000179       | 41%      | 97.0%          | 96.2%            |
| SAU801552     | BAN111435       | 27%      | 10.4%          | 98.6%            |
| SAU801552     | BAN111478       | 36%      | 61.2%          | 99.8%            |
| SAU801552     | BAN101568       | 36%      | 95.5%          | 97.6%            |
| SAU801552     | BAN101801       | 44%      | 68.0%          | 99.8%            |
| SAU801552     | BAN109554       | 36%      | 96.8%          | 96.5%            |
| SAU801552     | BAN100977       | 45%      | 84.9%          | 98.2%            |
| SAU801552     | BAN112527       | 41%      | 97.7%          | 97.1%            |
| SAU801552     | BAN109997       | 42%      | 99.1%          | 98.4%            |
| SAU801552     | EFA200268       | 37%      | 95.8%          | 95.9%            |
| SAU801552     | EFM202382       | 38%      | 94.5%          | 93.6%            |
| SAU801552     | LMO101809       | 40%      | 99.4%          | 96.0%            |
| SAU801552     | SAU801552       | 100%     | 100%           | 100%             |
| SAU801552     | SEP200968       | 84%      | 99.6%          | 98.6%            |
| SAU801552     | SHA101019       | 79%      | 99.1%          | 99.9%            |
| SAU801552     | SMU100731       | 33%      | 97.4%          | 98.3%            |
| SAU801552     | SPN401516       | 32%      | 95.9%          | 97.7%            |
| SAU801552     | SPY102094       | 27%      | 28.1%          | 100%             |
| SAU801554     | BAN103376       | 41%      | 94.9%          | 97.7%            |
| SAU801554     | BAN106361       | 45%      | 98.5%          | 98.5%            |
| SAU801554     | EFA200380       | 41%      | 97.8%          | 93.8%            |
| SAU801554     | LMO100045       | 51%      | 98.5%          | 95.7%            |
| SAU801554     | SAU801554       | 100%     | 100%           | 100%             |
| SAU801554     | SEP200986       | 85%      | 99.3%          | 97.1%            |
| SAU801554     | SHA101073       | 83%      | 99.3%          | 96.4%            |
| SAU801557     | BAN104029       | 74%      | 91.2%          | 98.5%            |
| SAU801557     | BAN112485       | 72%      | 99.3%          | 99.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801557     | BFR10491        | 33%      | 86.8%          | 92.4%            |
| SAU801557     | BFU108696       | 48%      | 13.2%          | 11.6%            |
| SAU801557     | CPN200013       | 32%      | 87.5%          | 89.1%            |
| SAU801557     | CTR200902       | 33%      | 87.5%          | 90.6%            |
| SAU801557     | CAC100742       | 27%      | 54.4%          | 57.4%            |
| SAU801557     | CBO101029       | 24%      | 77.4%          | 82.3%            |
| SAU801557     | CDF102470       | 40%      | 94.6%          | 97.1%            |
| SAU801557     | EBC100541       | 26%      | 33.8%          | 93.5%            |
| SAU801557     | EFA201039       | 70%      | 100%           | 99.7%            |
| SAU801557     | EFM200108       | 69%      | 97.6%          | 96.3%            |
| SAU801557     | ECO102118       | 32%      | 86.8%          | 90.9%            |
| SAU801557     | KPN302671       | 34%      | 86.8%          | 91.2%            |
| SAU801557     | LMO101207       | 71%      | 98.3%          | 98.0%            |
| SAU801557     | MAV102930       | 29%      | 61.1%          | 84.6%            |
| SAU801557     | MBV100817       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MLP101143       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MTU200667       | 31%      | 81.4%          | 86.9%            |
| SAU801557     | MGE100240       | 36%      | 94.6%          | 95.2%            |
| SAU801557     | MPN100508       | 41%      | 94.6%          | 96.9%            |
| SAU801557     | PRT103078       | 34%      | 86.8%          | 92.2%            |
| SAU801557     | SPA101840       | 33%      | 80.4%          | 85.5%            |
| SAU801557     | STY104295       | 33%      | 86.8%          | 90.9%            |
| SAU801557     | STM104044       | 33%      | 86.8%          | 90.9%            |
| SAU801557     | SAU801557       | 100%     | 100%           | 100%             |
| SAU801557     | SEP200992       | 86%      | 100%           | 100%             |
| SAU801557     | SHA101070       | 85%      | 100%           | 99.0%            |
| SAU801557     | UUR100308       | 44%      | 100%           | 98.0%            |
| SAU801557     | VCH102325       | 33%      | 87.2%          | 90.9%            |
| SAU801557     | YPS001104       | 32%      | 86.8%          | 90.9%            |
| SAU801558     | BAN101728       | 35%      | 95.5%          | 100%             |
| SAU801558     | BAN104506       | 45%      | 95.5%          | 98.6%            |
| SAU801558     | EFA202379       | 44%      | 98.4%          | 97.8%            |
| SAU801558     | EFM202075       | 45%      | 98.4%          | 99.3%            |
| SAU801558     | LMO101935       | 42%      | 96.0%          | 98.9%            |
| SAU801558     | SAU801558       | 100%     | 100%           | 100%             |
| SAU801558     | SEP200994       | 82%      | 99.6%          | 99.8%            |
| SAU801558     | SHA101069       | 81%      | 100%           | 100%             |
| SAU801558     | SMU101455       | 44%      | 98.7%          | 99.1%            |
| SAU801558     | SPN400670       | 43%      | 98.7%          | 99.1%            |
| SAU801558     | SPY201279       | 41%      | 98.7%          | 99.1%            |
| SAU801558     | UUR100589       | 34%      | 96.4%          | 96.8%            |
| SAU801565     | BAN102454       | 62%      | 99.1%          | 100%             |
| SAU801565     | BAN109844       | 74%      | 99.1%          | 99.3%            |
| SAU801565     | BFR10455        | 50%      | 97.8%          | 96.1%            |
| SAU801565     | BBU100370       | 49%      | 97.8%          | 96.4%            |
| SAU801565     | CAC103604       | 68%      | 99.4%          | 99.1%            |
| SAU801565     | CBO100196       | 69%      | 99.6%          | 99.1%            |
| SAU801565     | CDP100533       | 48%      | 98.5%          | 97.8%            |
| SAU801565     | MAV106180       | 50%      | 99.8%          | 92.5%            |
| SAU801565     | MBV102613       | 51%      | 99.8%          | 94.4%            |
| SAU801565     | MLP100499       | 48%      | 99.8%          | 98.7%            |
| SAU801565     | MTU202321       | 51%      | 99.8%          | 98.7%            |
| SAU801565     | MGE100255       | 42%      | 97.8%          | 98.0%            |
| SAU801565     | MPN100482       | 41%      | 98.1%          | 97.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801565     | SAU801565       | 100%     | 100%           | 100%             |
| SAU801565     | SEP201018       | 93%      | 100%           | 100%             |
| SAU801565     | SHA101653       | 92%      | 100%           | 100%             |
| SAU801565     | TPA100664       | 45%      | 98.9%          | 98.9%            |
| SAU801565     | UUR100498       | 52%      | 98.9%          | 96.6%            |
| SAU801567     | ABA104706       | 41%      | 98.0%          | 89.2%            |
| SAU801567     | BAN106100       | 53%      | 95.7%          | 99.7%            |
| SAU801567     | BAN104384       | 66%      | 98.7%          | 98.0%            |
| SAU801567     | BFR10151        | 44%      | 98.3%          | 99.7%            |
| SAU801567     | BPT102612       | 36%      | 97.7%          | 98.3%            |
| SAU801567     | BBU100659       | 37%      | 96.3%          | 99.0%            |
| SAU801567     | BCE103799       | 39%      | 98.0%          | 97.7%            |
| SAU801567     | BFU101300       | 38%      | 98.0%          | 97.7%            |
| SAU801567     | BMA106167       | 40%      | 98.0%          | 97.7%            |
| SAU801567     | CJU100617       | 33%      | 96.3%          | 97.9%            |
| SAU801567     | CAC100901       | 50%      | 97.0%          | 97.6%            |
| SAU801567     | CBO100020       | 51%      | 97.0%          | 98.0%            |
| SAU801567     | CDF104210       | 56%      | 97.0%          | 98.3%            |
| SAU801567     | CDP100545       | 39%      | 90.0%          | 100%             |
| SAU801567     | EBC102411       | 38%      | 80.9%          | 98.0%            |
| SAU801567     | EFA200395       | 63%      | 99.3%          | 99%              |
| SAU801567     | EFM200497       | 62%      | 99.7%          | 99.7%            |
| SAU801567     | ECO102517       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | HIN100012       | 40%      | 97.3%          | 96.7%            |
| SAU801567     | HPY100512       | 32%      | 98.7%          | 98.0%            |
| SAU801567     | KPN303149       | 40%      | 99.3%          | 99.7%            |
| SAU801567     | LPN101153       | 39%      | 96.3%          | 97.6%            |
| SAU801567     | LMO100968       | 58%      | 98.3%          | 98.0%            |
| SAU801567     | MCA101618       | 40%      | 97.0%          | 91.2%            |
| SAU801567     | MAV106432       | 44%      | 98.3%          | 100%             |
| SAU801567     | MBV102618       | 43%      | 98.3%          | 97.1%            |
| SAU801567     | MLP100395       | 42%      | 98.3%          | 99.3%            |
| SAU801567     | MTU202328       | 43%      | 98.3%          | 100%             |
| SAU801567     | MPN100274       | 24%      | 90.0%          | 93.1%            |
| SAU801567     | NGO101005       | 38%      | 97.0%          | 89.8%            |
| SAU801567     | NME200824       | 38%      | 97.0%          | 94.8%            |
| SAU801567     | PMU100060       | 38%      | 97.3%          | 95.4%            |
| SAU801567     | PRT105132       | 39%      | 97.3%          | 96.7%            |
| SAU801567     | PAE200770       | 38%      | 97.0%          | 95.1%            |
| SAU801567     | PPU107911       | 39%      | 97.0%          | 96.7%            |
| SAU801567     | PSY102356       | 40%      | 98.0%          | 97.7%            |
| SAU801567     | SPA103313       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | STY102109       | 39%      | 97.3%          | 97.0%            |
| SAU801567     | SAU801567       | 100%     | 100%           | 100%             |
| SAU801567     | SEP201022       | 94%      | 100%           | 100%             |
| SAU801567     | SHA101651       | 92%      | 100%           | 100%             |
| SAU801567     | SMU101127       | 61%      | 97.0%          | 97.3%            |
| SAU801567     | SPN400871       | 62%      | 97.7%          | 98.0%            |
| SAU801567     | SPY200342       | 60%      | 98.3%          | 99.0%            |
| SAU801567     | TPA100535       | 30%      | 97.0%          | 97.5%            |
| SAU801567     | UUR100496       | 34%      | 97.0%          | 96.4%            |
| SAU801567     | VCH102424       | 40%      | 97.3%          | 90.2%            |
| SAU801567     | YPS002232       | 38%      | 97.3%          | 96.4%            |
| SAU801572     | ECO101986       | 22%      | 65.1%          | 43.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801572     | SPA101417       | 27%      | 41.8%          | 43.4%            |
| SAU801572     | STY102068       | 27%      | 41.8%          | 43.9%            |
| SAU801572     | SAU801572       | 100%     | 100%           | 100%             |
| SAU801572     | SEP201028       | 46%      | 100%           | 100%             |
| SAU801572     | SHA101646       | 42%      | 100%           | 100%             |
| SAU801580     | ABA101828       | 59%      | 82.5%          | 100%             |
| SAU801580     | BAN105420       | 62%      | 40.5%          | 99.6%            |
| SAU801580     | BAN112806       | 79%      | 57.5%          | 100%             |
| SAU801580     | BAN101659       | 75%      | 99.5%          | 99.8%            |
| SAU801580     | BFR104209       | 60%      | 99.2%          | 100%             |
| SAU801580     | BPT102710       | 57%      | 99.5%          | 99.8%            |
| SAU801580     | BBU100517       | 61%      | 100%           | 100%             |
| SAU801580     | BCE103385       | 55%      | 99.5%          | 100%             |
| SAU801580     | BFU102634       | 55%      | 99.5%          | 100%             |
| SAU801580     | BMA105956       | 55%      | 96.1%          | 93.8%            |
| SAU801580     | CJU100698       | 57%      | 98.4%          | 99.7%            |
| SAU801580     | CPN200248       | 57%      | 99.7%          | 98.9%            |
| SAU801580     | CTR200665       | 58%      | 98.9%          | 97.9%            |
| SAU801580     | CAC101902       | 64%      | 99.8%          | 100%             |
| SAU801580     | CBO102574       | 64%      | 99.5%          | 99.8%            |
| SAU801580     | CDF100724       | 66%      | 99.5%          | 99.8%            |
| SAU801580     | CDP101465       | 60%      | 99.8%          | 99.3%            |
| SAU801580     | EBC103112       | 37%      | 95.6%          | 96.3%            |
| SAU801580     | EFA200573       | 77%      | 99.8%          | 100%             |
| SAU801580     | EFM201964       | 82%      | 8.5%           | 100%             |
| SAU801580     | ECO100014       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | HIN101209       | 53%      | 99.5%          | 99.8%            |
| SAU801580     | HPY100107       | 55%      | 99.7%          | 98.9%            |
| SAU801580     | KPN301135       | 54%      | 94.9%          | 99.0%            |
| SAU801580     | LPN102089       | 55%      | 100%           | 100%             |
| SAU801580     | LMO100117       | 76%      | 100%           | 99.7%            |
| SAU801580     | MCA103113       | 55%      | 99.3%          | 99.8%            |
| SAU801580     | MAV101249       | 63%      | 76.2%          | 100%             |
| SAU801580     | MBV102185       | 58%      | 100%           | 99.7%            |
| SAU801580     | MLP101485       | 58%      | 100%           | 99.7%            |
| SAU801580     | MTU200349       | 58%      | 100%           | 99.7%            |
| SAU801580     | MGE100311       | 57%      | 95.2%          | 98.8%            |
| SAU801580     | MPN100407       | 56%      | 95.2%          | 98.8%            |
| SAU801580     | NGO101449       | 56%      | 99.8%          | 100%             |
| SAU801580     | NME200678       | 56%      | 99.8%          | 100%             |
| SAU801580     | PMU100736       | 57%      | 99.5%          | 99.8%            |
| SAU801580     | PRT105582       | 53%      | 100%           | 100%             |
| SAU801580     | PAE204757       | 56%      | 99.5%          | 99.8%            |
| SAU801580     | PPU100111       | 56%      | 100%           | 100%             |
| SAU801580     | PSY104756       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | SPA100920       | 53%      | 99.3%          | 99.7%            |
| SAU801580     | STY100388       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | STM100061       | 55%      | 99.3%          | 99.7%            |
| SAU801580     | SAU801580       | 100%     | 100%           | 100%             |
| SAU801580     | SEP201054       | 90%      | 100%           | 99.8%            |
| SAU801580     | SHA100529       | 91%      | 100%           | 99.8%            |
| SAU801580     | SMU101376       | 72%      | 99.7%          | 99.3%            |
| SAU801580     | SPN400455       | 74%      | 98.9%          | 99.8%            |
| SAU801580     | SPY201356       | 74%      | 98.9%          | 99.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801580     | TPA100214       | 58%      | 100%           | 100%             |
| SAU801580     | UUR100341       | 56%      | 98.4%          | 99.2%            |
| SAU801580     | VCH100839       | 55%      | 99.8%          | 100%             |
| SAU801580     | YPS000806       | 54%      | 99.3%          | 99.7%            |
| SAU801593     | BAN110580       | 35%      | 93.8%          | 96.8%            |
| SAU801593     | BAN111416       | 42%      | 93.8%          | 95.2%            |
| SAU801593     | CAC102263       | 43%      | 87.6%          | 89.4%            |
| SAU801593     | CBO100870       | 36%      | 92.3%          | 89%              |
| SAU801593     | CDF103337       | 40%      | 94.3%          | 96.3%            |
| SAU801593     | EFA200252       | 40%      | 88.7%          | 86.7%            |
| SAU801593     | EFM200106       | 37%      | 88.7%          | 87.2%            |
| SAU801593     | LMO100476       | 39%      | 88.1%          | 88.5%            |
| SAU801593     | MGE100245       | 32%      | 63.4%          | 41.4%            |
| SAU801593     | MPN100500       | 32%      | 65.5%          | 42.6%            |
| SAU801593     | SAU801593       | 100%     | 100%           | 100%             |
| SAU801593     | SEP201082       | 81%      | 100%           | 100%             |
| SAU801593     | SHA101365       | 79%      | 100%           | 100%             |
| SAU801593     | SMU101104       | 35%      | 94.8%          | 92.4%            |
| SAU801593     | SPN401589       | 36%      | 89.2%          | 86.8%            |
| SAU801593     | SPY200226       | 32%      | 92.8%          | 91.4%            |
| SAU801593     | TPA100732       | 32%      | 63.9%          | 68.1%            |
| SAU801596     | ABA104791       | 36%      | 92.5%          | 95.4%            |
| SAU801596     | BAN105708       | 35%      | 98.9%          | 98.9%            |
| SAU801596     | BAN100439       | 43%      | 98.9%          | 98.6%            |
| SAU801596     | BFR100940       | 32%      | 91.8%          | 98.4%            |
| SAU801596     | BPT102959       | 32%      | 98.5%          | 95.8%            |
| SAU801596     | BCE113860       | 30%      | 94.4%          | 93.3%            |
| SAU801596     | BFU107002       | 32%      | 92.9%          | 88.2%            |
| SAU801596     | BMA107935       | 33%      | 94.4%          | 93.3%            |
| SAU801596     | CJU100373       | 33%      | 98.9%          | 98.9%            |
| SAU801596     | CPN200802       | 29%      | 91.4%          | 49.5%            |
| SAU801596     | CTR200639       | 30%      | 91.0%          | 48.7%            |
| SAU801596     | CAC100326       | 28%      | 93.7%          | 68.1%            |
| SAU801596     | CBO101162       | 30%      | 90.7%          | 94.6%            |
| SAU801596     | CDF100361       | 32%      | 95.1%          | 94.8%            |
| SAU801596     | CDP100373       | 27%      | 98.9%          | 94.5%            |
| SAU801596     | EBC103139       | 29%      | 57.1%          | 87.6%            |
| SAU801596     | EFA201865       | 32%      | 95.9%          | 94.8%            |
| SAU801596     | ECO101660       | 31%      | 95.9%          | 95.8%            |
| SAU801596     | HIN100636       | 31%      | 98.5%          | 97.4%            |
| SAU801596     | HPY101232       | 34%      | 90.7%          | 90.5%            |
| SAU801596     | KPN301549       | 34%      | 95.1%          | 96.1%            |
| SAU801596     | LPN102392       | 32%      | 91.8%          | 92.5%            |
| SAU801596     | LMO101551       | 46%      | 99.3%          | 98.9%            |
| SAU801596     | MCA103619       | 32%      | 95.5%          | 98.5%            |
| SAU801596     | MAV103673       | 24%      | 95.5%          | 98.1%            |
| SAU801596     | MBV100973       | 25%      | 97.0%          | 96.6%            |
| SAU801596     | MLP100312       | 24%      | 97.0%          | 94.2%            |
| SAU801596     | MTU202515       | 25%      | 97.0%          | 96.3%            |
| SAU801596     | NGO100780       | 32%      | 94.4%          | 91.0%            |
| SAU801596     | NME201966       | 33%      | 94.4%          | 93.7%            |
| SAU801596     | PMU101271       | 32%      | 91.8%          | 93.3%            |
| SAU801596     | PRT105310       | 30%      | 94.8%          | 94.9%            |
| SAU801596     | PAE200243       | 27%      | 94.8%          | 93.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801596     | PPU111361       | 30%      | 94.8%          | 94.3%            |
| SAU801596     | PSY102591       | 31%      | 94.4%          | 93.3%            |
| SAU801596     | SPA104338       | 34%      | 91.4%          | 91.5%            |
| SAU801596     | STY101862       | 34%      | 91.4%          | 91.5%            |
| SAU801596     | SAU801596       | 100%     | 100%           | 100%             |
| SAU801596     | SEP201086       | 71%      | 100%           | 99.6%            |
| SAU801596     | SHA101362       | 67%      | 99.6%          | 99.6%            |
| SAU801596     | SMU100089       | 33%      | 98.9%          | 96.5%            |
| SAU801596     | SPN401233       | 34%      | 92.5%          | 91.2%            |
| SAU801596     | SPY201222       | 34%      | 95.1%          | 93.8%            |
| SAU801596     | VCH100056       | 32%      | 91.8%          | 89.9%            |
| SAU801596     | YPS002545       | 35%      | 99.6%          | 97.8%            |
| SAU801597     | BAN105757       | 48%      | 99.5%          | 100%             |
| SAU801597     | BAN111582       | 52%      | 100%           | 100%             |
| SAU801597     | EFA200249       | 48%      | 100%           | 100%             |
| SAU801597     | EFM202278       | 48%      | 98.9%          | 99.5%            |
| SAU801597     | LMO102317       | 49%      | 100%           | 100%             |
| SAU801597     | SAU801597       | 100%     | 100%           | 100%             |
| SAU801597     | SEP201087       | 84%      | 100%           | 100%             |
| SAU801597     | SHA101361       | 83%      | 100%           | 100%             |
| SAU801597     | SMU101110       | 46%      | 98.9%          | 99.2%            |
| SAU801597     | SPN401592       | 48%      | 100%           | 100%             |
| SAU801597     | SPY200223       | 47%      | 98.9%          | 99.2%            |
| SAU801597     | UUR100473       | 29%      | 96.2%          | 95.8%            |
| SAU801599     | ABA100279       | 24%      | 84.6%          | 72.8%            |
| SAU801599     | BAN101650       | 46%      | 89.5%          | 88.9%            |
| SAU801599     | BAN108836       | 47%      | 99.6%          | 98.7%            |
| SAU801599     | BFR104094       | 28%      | 81.6%          | 87.2%            |
| SAU801599     | BPT102655       | 20%      | 68.0%          | 31.7%            |
| SAU801599     | BBU100587       | 35%      | 98.7%          | 89.1%            |
| SAU801599     | BBU100374       | 36%      | 98.7%          | 98.7%            |
| SAU801599     | BCE100924       | 30%      | 96.5%          | 90.2%            |
| SAU801599     | BFU109681       | 30%      | 96.5%          | 76.0%            |
| SAU801599     | BMA103603       | 29%      | 96.5%          | 90.8%            |
| SAU801599     | CJU100106       | 33%      | 99.6%          | 98.7%            |
| SAU801599     | CPN200522       | 22%      | 68.4%          | 60.6%            |
| SAU801599     | CAC100045       | 40%      | 99.6%          | 99.1%            |
| SAU801599     | CBO101197       | 40%      | 99.6%          | 99.1%            |
| SAU801599     | CDF101106       | 43%      | 96.9%          | 96.1%            |
| SAU801599     | CDP102826       | 24%      | 78.5%          | 83.7%            |
| SAU801599     | EBC102139       | 52%      | 98.7%          | 96.6%            |
| SAU801599     | EFA200856       | 47%      | 99.6%          | 98.7%            |
| SAU801599     | EFM202072       | 46%      | 99.6%          | 98.7%            |
| SAU801599     | ECO100159       | 54%      | 99.6%          | 97.8%            |
| SAU801599     | HIN101188       | 53%      | 99.6%          | 99.1%            |
| SAU801599     | HPY100087       | 36%      | 99.6%          | 98.3%            |
| SAU801599     | KPN306028       | 52%      | 99.6%          | 97.8%            |
| SAU801599     | LMO102202       | 50%      | 99.6%          | 99.1%            |
| SAU801599     | MBV102135       | 30%      | 99.6%          | 97.3%            |
| SAU801599     | MTU200091       | 30%      | 99.6%          | 97.3%            |
| SAU801599     | NGO100042       | 47%      | 99.6%          | 97.9%            |
| SAU801599     | NME200901       | 45%      | 99.6%          | 97.9%            |
| SAU801599     | PMU100194       | 52%      | 99.6%          | 99.1%            |
| SAU801599     | PRT104077       | 48%      | 99.6%          | 96.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801599     | PAE203967       | 24%      | 75.4%          | 35.3%            |
| SAU801599     | PPU107143       | 29%      | 80.7%          | 86.7%            |
| SAU801599     | PSY105099       | 24%      | 75.4%          | 36.1%            |
| SAU801599     | SPA102658       | 53%      | 99.6%          | 97.8%            |
| SAU801599     | STY103498       | 53%      | 99.6%          | 97.8%            |
| SAU801599     | SAU801599       | 100%     | 100%           | 100%             |
| SAU801599     | SEP201090       | 71%      | 100%           | 100%             |
| SAU801599     | SHA101359       | 71%      | 100%           | 100%             |
| SAU801599     | SMU101154       | 42%      | 96.5%          | 95.2%            |
| SAU801599     | SPN400894       | 43%      | 99.6%          | 98.7%            |
| SAU801599     | SPY200320       | 41%      | 99.6%          | 98.3%            |
| SAU801599     | TPA100168       | 35%      | 95.2%          | 89.2%            |
| SAU801599     | UUR100475       | 40%      | 50%            | 95.8%            |
| SAU801599     | VCH102344       | 53%      | 99.6%          | 98.7%            |
| SAU801599     | YPS000146       | 50%      | 99.6%          | 97.4%            |
| SAU801605     | ABA100484       | 46%      | 99.2%          | 97.6%            |
| SAU801605     | BAN111697       | 60%      | 17.2%          | 70.5%            |
| SAU801605     | BAN107867       | 55%      | 66.4%          | 98.2%            |
| SAU801605     | BAN106428       | 54%      | 93.6%          | 92.9%            |
| SAU801605     | BPT101355       | 52%      | 98.8%          | 98.8%            |
| SAU801605     | BCE104528       | 36%      | 95.2%          | 91.0%            |
| SAU801605     | BCE107667       | 44%      | 98.8%          | 89.0%            |
| SAU801605     | BFU103189       | 46%      | 99.6%          | 94.6%            |
| SAU801605     | BMA104515       | 44%      | 99.6%          | 93.1%            |
| SAU801605     | CJU101450       | 55%      | 99.6%          | 97.6%            |
| SAU801605     | CDF102700       | 49%      | 98.4%          | 90.8%            |
| SAU801605     | EBC100474       | 43%      | 55.6%          | 98.5%            |
| SAU801605     | ECO100696       | 45%      | 98%            | 98.4%            |
| SAU801605     | HIN101694       | 45%      | 98.4%          | 93.8%            |
| SAU801605     | KPN300310       | 33%      | 46%            | 69.0%            |
| SAU801605     | KPN300091       | 36%      | 28.4%          | 93.4%            |
| SAU801605     | KPN302568       | 42%      | 99.6%          | 98.8%            |
| SAU801605     | MAV102722       | 40%      | 98.8%          | 98.0%            |
| SAU801605     | MLP100225       | 40%      | 98.8%          | 98.0%            |
| SAU801605     | NME200029       | 44%      | 99.2%          | 99.2%            |
| SAU801605     | PRT102094       | 47%      | 98.4%          | 97.2%            |
| SAU801605     | PAE202110       | 42%      | 94.4%          | 96.8%            |
| SAU801605     | PPU106297       | 38%      | 98.4%          | 95.7%            |
| SAU801605     | PSY104029       | 44%      | 98.4%          | 96.1%            |
| SAU801605     | SPA102223       | 40%      | 96%            | 98.7%            |
| SAU801605     | STY101893       | 45%      | 94.8%          | 95.1%            |
| SAU801605     | STM101632       | 44%      | 98.8%          | 99.2%            |
| SAU801605     | SAU801605       | 100%     | 100%           | 100%             |
| SAU801605     | SEP201114       | 74%      | 100%           | 100%             |
| SAU801605     | SHA100233       | 78%      | 100%           | 100%             |
| SAU801605     | VCH103496       | 39%      | 95.2%          | 97.2%            |
| SAU801605     | YPS001546       | 46%      | 98.8%          | 98.8%            |
| SAU801606     | KPN105172       | 57%      | 27.8%          | 97.7%            |
| SAU801606     | SAU801606       | 100%     | 100%           | 100%             |
| SAU801606     | SEP201117       | 80%      | 99.8%          | 99.8%            |
| SAU801606     | SHA100232       | 84%      | 93.4%          | 100%             |
| SAU801615     | BAN102459       | 37%      | 86.3%          | 94.6%            |
| SAU801615     | BAN105001       | 37%      | 86.3%          | 91.6%            |
| SAU801615     | CBO101692       | 29%      | 81.4%          | 89.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801615     | CDF103625       | 29%      | 97.1%          | 82.3%            |
| SAU801615     | EFA200710       | 48%      | 100%           | 82.4%            |
| SAU801615     | EFM202242       | 46%      | 100%           | 97.0%            |
| SAU801615     | LMO102296       | 40%      | 94.1%          | 89%              |
| SAU801615     | SAU801615       | 100%     | 100%           | 100%             |
| SAU801615     | SEP201157       | 89%      | 100%           | 100%             |
| SAU801615     | SHA101193       | 89%      | 100%           | 100%             |
| SAU801615     | SMU101202       | 41%      | 97.1%          | 97.0%            |
| SAU801615     | SPN400177       | 42%      | 98.0%          | 97.0%            |
| SAU801615     | SPY201612       | 40%      | 97.1%          | 97.0%            |
| SAU801616     | ABA100403       | 30%      | 74.8%          | 62.3%            |
| SAU801616     | BAN104572       | 59%      | 98.4%          | 87.6%            |
| SAU801616     | BAN108104       | 61%      | 98.4%          | 87.6%            |
| SAU801616     | BFR12028        | 31%      | 98.4%          | 97.5%            |
| SAU801616     | BCE103090       | 27%      | 86.2%          | 70.5%            |
| SAU801616     | CPN200515       | 38%      | 83.7%          | 67.5%            |
| SAU801616     | CTR200449       | 39%      | 75.6%          | 63.5%            |
| SAU801616     | CAC101999       | 49%      | 99.2%          | 88.1%            |
| SAU801616     | CBO100417       | 50%      | 99.2%          | 86.9%            |
| SAU801616     | CDF100891       | 55%      | 97.6%          | 83.0%            |
| SAU801616     | CDP100379       | 27%      | 98.4%          | 75.4%            |
| SAU801616     | EBC103406       | 26%      | 91.9%          | 79.7%            |
| SAU801616     | EFA200711       | 54%      | 98.4%          | 86.4%            |
| SAU801616     | EFM201893       | 55%      | 97.6%          | 83.9%            |
| SAU801616     | ECO102884       | 26%      | 91.9%          | 79.7%            |
| SAU801616     | HIN100291       | 26%      | 71.5%          | 62.6%            |
| SAU801616     | KPN302112       | 26%      | 91.9%          | 79.1%            |
| SAU801616     | LPN100282       | 29%      | 71.5%          | 62.6%            |
| SAU801616     | LMO101308       | 56%      | 98.4%          | 87.0%            |
| SAU801616     | MCA100969       | 26%      | 89.4%          | 70.3%            |
| SAU801616     | MAV104478       | 31%      | 91.1%          | 45.6%            |
| SAU801616     | MBV100969       | 37%      | 65.0%          | 47.1%            |
| SAU801616     | MLP100310       | 31%      | 96.7%          | 63.6%            |
| SAU801616     | MTU202517       | 37%      | 65.0%          | 47.1%            |
| SAU801616     | NGO100112       | 35%      | 64.2%          | 51.7%            |
| SAU801616     | NME201410       | 34%      | 64.2%          | 51.7%            |
| SAU801616     | PRT104009       | 31%      | 75.6%          | 66.2%            |
| SAU801616     | PAE200403       | 25%      | 91.1%          | 77.1%            |
| SAU801616     | PPU109370       | 23%      | 92.7%          | 80.9%            |
| SAU801616     | PSY105925       | 24%      | 91.9%          | 80.1%            |
| SAU801616     | SPA102544       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | STY104576       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | STM100595       | 27%      | 72.4%          | 63.8%            |
| SAU801616     | SAU801616       | 100%     | 100%           | 100%             |
| SAU801616     | SEP201160       | 86%      | 99.2%          | 85.9%            |
| SAU801616     | SHA101192       | 83%      | 99.2%          | 85.9%            |
| SAU801616     | SMU101205       | 52%      | 99.2%          | 87.8%            |
| SAU801616     | SPN400176       | 52%      | 97.6%          | 86.3%            |
| SAU801616     | SPY201613       | 48%      | 97.6%          | 86.3%            |
| SAU801616     | UUR100372       | 34%      | 100%           | 87.8%            |
| SAU801616     | VCH100461       | 22%      | 77.2%          | 67.9%            |
| SAU801616     | YPS000228       | 29%      | 75.6%          | 65.7%            |
| SAU801617     | BAN109872       | 57%      | 100%           | 98.9%            |
| SAU801617     | BAN111284       | 57%      | 100%           | 98.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801617     | CAC103316       | 46%      | 89.5%          | 89.5%            |
| SAU801617     | CBO101837       | 48%      | 89.5%          | 92.8%            |
| SAU801617     | CDF100893       | 43%      | 96.5%          | 97.6%            |
| SAU801617     | EFA200713       | 58%      | 89.5%          | 86.5%            |
| SAU801617     | EFM200709       | 55%      | 89.5%          | 87.5%            |
| SAU801617     | LMO101635       | 54%      | 95.3%          | 92.2%            |
| SAU801617     | SAU801617       | 100%     | 100%           | 100%             |
| SAU801617     | SEP201163       | 87%      | 96.5%          | 96.5%            |
| SAU801617     | SHA101191       | 83%      | 100%           | 100%             |
| SAU801617     | SMU101208       | 56%      | 90.7%          | 87.6%            |
| SAU801617     | SPN400175       | 53%      | 93.0%          | 90.9%            |
| SAU801617     | SPY201614       | 56%      | 90.7%          | 87.6%            |
| SAU801618     | ABA102548       | 51%      | 8.7%           | 92.7%            |
| SAU801618     | ABA101894       | 43%      | 99.4%          | 99.2%            |
| SAU801618     | BAN112993       | 42%      | 12.2%          | 96.4%            |
| SAU801618     | BAN112360       | 57%      | 73.3%          | 100%             |
| SAU801618     | BAN110893       | 59%      | 100%           | 99.8%            |
| SAU801618     | BFR11415        | 40%      | 98.5%          | 98.9%            |
| SAU801618     | BPT101143       | 44%      | 99.3%          | 99.5%            |
| SAU801618     | BBU100219       | 38%      | 79.1%          | 98.8%            |
| SAU801618     | BCE107013       | 46%      | 47.8%          | 94.4%            |
| SAU801618     | BFU114595       | 42%      | 99.5%          | 99.8%            |
| SAU801618     | BMA107024       | 43%      | 99.4%          | 99.7%            |
| SAU801618     | CJU100469       | 42%      | 98.1%          | 98.6%            |
| SAU801618     | CPN200957       | 36%      | 96.9%          | 97.0%            |
| SAU801618     | CTR200124       | 36%      | 99.1%          | 99.2%            |
| SAU801618     | CAC100475       | 43%      | 100%           | 99.8%            |
| SAU801618     | CBO102316       | 44%      | 100%           | 99.8%            |
| SAU801618     | CDF100894       | 45%      | 99.8%          | 99.5%            |
| SAU801618     | CDP100382       | 38%      | 99.0%          | 99.4%            |
| SAU801618     | EBC101519       | 44%      | 98.4%          | 100%             |
| SAU801618     | EFA202378       | 55%      | 99.9%          | 99.9%            |
| SAU801618     | EFM102001       | 56%      | 14.2%          | 100%             |
| SAU801618     | ECO102637       | 45%      | 99.0%          | 98.9%            |
| SAU801618     | HIN100794       | 44%      | 99.3%          | 99.5%            |
| SAU801618     | HPY101224       | 39%      | 98.6%          | 98.9%            |
| SAU801618     | KPN301584       | 45%      | 99.0%          | 99.0%            |
| SAU801618     | LPN103164       | 42%      | 99.7%          | 100%             |
| SAU801618     | LMO101358       | 56%      | 99.8%          | 99.5%            |
| SAU801618     | MCA100516       | 45%      | 99.7%          | 99.4%            |
| SAU801618     | MAV102135       | 38%      | 97.7%          | 99.2%            |
| SAU801618     | MBV100967       | 38%      | 99.3%          | 99.2%            |
| SAU801618     | MLP100309       | 38%      | 99.3%          | 99.6%            |
| SAU801618     | MTU202518       | 38%      | 99.3%          | 99.2%            |
| SAU801618     | MGE100298       | 36%      | 89.6%          | 87.3%            |
| SAU801618     | MPN100422       | 34%      | 94.4%          | 92.6%            |
| SAU801618     | NGO101407       | 42%      | 99.3%          | 99.4%            |
| SAU801618     | NME201646       | 43%      | 99.3%          | 99.4%            |
| SAU801618     | PMU101287       | 44%      | 99.1%          | 99.2%            |
| SAU801618     | PRT101312       | 42%      | 99.2%          | 99.2%            |
| SAU801618     | PAE200902       | 45%      | 99.4%          | 99.7%            |
| SAU801618     | PPU106922       | 45%      | 98.6%          | 98.9%            |
| SAU801618     | PSY103114       | 44%      | 94.3%          | 99.2%            |
| SAU801618     | SPA101276       | 44%      | 99.0%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801618     | STY102766       | 44%      | 99.0%          | 98.9%            |
| SAU801618     | SAU801618       | 100%     | 100%           | 100%             |
| SAU801618     | SEP201165       | 83%      | 100%           | 100%             |
| SAU801618     | SHA101190       | 83%      | 100%           | 99.7%            |
| SAU801618     | SMU100824       | 49%      | 99.4%          | 99.8%            |
| SAU801618     | SPN401239       | 50%      | 99.2%          | 99.5%            |
| SAU801618     | SPY201063       | 50%      | 99.7%          | 100%             |
| SAU801618     | TPA101007       | 38%      | 79.9%          | 98.7%            |
| SAU801618     | UUR100371       | 36%      | 99.9%          | 99.9%            |
| SAU801618     | VCH100535       | 43%      | 99.3%          | 99.3%            |
| SAU801618     | YPS003498       | 45%      | 99.0%          | 99.0%            |
| SAU801619     | ABA105938       | 24%      | 55.9%          | 85.9%            |
| SAU801619     | BAN100190       | 32%      | 87.2%          | 91.9%            |
| SAU801619     | BAN101468       | 48%      | 89.1%          | 94.5%            |
| SAU801619     | BFR100242       | 22%      | 46.4%          | 93.4%            |
| SAU801619     | BBU100631       | 27%      | 53.6%          | 72.1%            |
| SAU801619     | BCE106437       | 25%      | 30.2%          | 26.6%            |
| SAU801619     | BFU102756       | 29%      | 46.9%          | 70.7%            |
| SAU801619     | BMA100166       | 32%      | 18.3%          | 51.2%            |
| SAU801619     | CPN200638       | 31%      | 89.1%          | 98.1%            |
| SAU801619     | CTR200297       | 33%      | 79.3%          | 85.6%            |
| SAU801619     | CAC103106       | 35%      | 90.2%          | 99.6%            |
| SAU801619     | CBO101836       | 35%      | 86.8%          | 95.4%            |
| SAU801619     | CDF101471       | 34%      | 87.5%          | 96.3%            |
| SAU801619     | EBC102604       | 23%      | 55.2%          | 82.2%            |
| SAU801619     | EFA200908       | 41%      | 98.7%          | 98.7%            |
| SAU801619     | EFM101108       | 42%      | 98.2%          | 98.3%            |
| SAU801619     | ECO102756       | 22%      | 55.8%          | 82.7%            |
| SAU801619     | HIN101288       | 24%      | 47.2%          | 69.8%            |
| SAU801619     | HPY200724       | 26%      | 13.1%          | 20.9%            |
| SAU801619     | KPN305146       | 23%      | 52.1%          | 77.7%            |
| SAU801619     | LPN102124       | 22%      | 47.4%          | 45.5%            |
| SAU801619     | LPN101988       | 22%      | 47.4%          | 45.5%            |
| SAU801619     | LMO102542       | 46%      | 98.4%          | 97.5%            |
| SAU801619     | MCA101482       | 25%      | 53.3%          | 68.8%            |
| SAU801619     | MAV103656       | 27%      | 46.4%          | 69.5%            |
| SAU801619     | MBV100278       | 26%      | 45.9%          | 68.5%            |
| SAU801619     | MTU200626       | 26%      | 45.9%          | 68.5%            |
| SAU801619     | NGO100235       | 26%      | 49.7%          | 76.7%            |
| SAU801619     | NME201279       | 26%      | 49.5%          | 77.8%            |
| SAU801619     | PMU100517       | 23%      | 52.5%          | 75.8%            |
| SAU801619     | PRT102296       | 23%      | 61.2%          | 84.5%            |
| SAU801619     | PAE204281       | 36%      | 45.1%          | 63.5%            |
| SAU801619     | PPU101090       | 33%      | 46.2%          | 66.9%            |
| SAU801619     | PSY102739       | 33%      | 45.1%          | 65.9%            |
| SAU801619     | SPA100178       | 22%      | 25.8%          | 97.4%            |
| SAU801619     | STY103973       | 22%      | 55.2%          | 81.5%            |
| SAU801619     | SAU801619       | 100%     | 100%           | 100%             |
| SAU801619     | SEP201166       | 80%      | 100%           | 100%             |
| SAU801619     | SHA101579       | 76%      | 45.0%          | 98.7%            |
| SAU801619     | SMU101281       | 39%      | 97.3%          | 98.1%            |
| SAU801619     | SPN400363       | 40%      | 91.6%          | 95.4%            |
| SAU801619     | SPY201419       | 39%      | 97.3%          | 97.9%            |
| SAU801619     | VCH102285       | 25%      | 47.6%          | 65.0%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801619     | YPS001085       | 34%      | 45.7%          | 68.9%            |
| SAU801621     | ABA105138       | 55%      | 94.6%          | 96.3%            |
| SAU801621     | BAN108754       | 63%      | 98.7%          | 100%             |
| SAU801621     | BAN107731       | 73%      | 98.1%          | 97.6%            |
| SAU801621     | BFR101806       | 39%      | 93.3%          | 98.0%            |
| SAU801621     | BPT102222       | 50%      | 94.6%          | 97.3%            |
| SAU801621     | BBU100681       | 37%      | 94.9%          | 98.6%            |
| SAU801621     | BCE109535       | 54%      | 94.9%          | 93.1%            |
| SAU801621     | BFU101559       | 55%      | 94.9%          | 93.4%            |
| SAU801621     | BMA105040       | 56%      | 94.9%          | 93.2%            |
| SAU801621     | CJU100046       | 33%      | 95.2%          | 100%             |
| SAU801621     | CPN200310       | 48%      | 94.6%          | 96.7%            |
| SAU801621     | CTR200552       | 52%      | 94.4%          | 92.8%            |
| SAU801621     | CAC103620       | 43%      | 94.6%          | 98.9%            |
| SAU801621     | CBO100620       | 42%      | 95.2%          | 98.3%            |
| SAU801621     | CBO101941       | 44%      | 94.9%          | 98.1%            |
| SAU801621     | CDF100895       | 42%      | 94.9%          | 97.8%            |
| SAU801621     | CDP100137       | 34%      | 94.9%          | 98.4%            |
| SAU801621     | EBC102862       | 54%      | 96.0%          | 97.0%            |
| SAU801621     | EFA201802       | 69%      | 99.2%          | 99.2%            |
| SAU801621     | EFM201233       | 72%      | 99.2%          | 99.2%            |
| SAU801621     | ECO101106       | 55%      | 96.5%          | 94.3%            |
| SAU801621     | HIN100165       | 54%      | 95.7%          | 85.6%            |
| SAU801621     | HPY101317       | 35%      | 94.9%          | 94.7%            |
| SAU801621     | KPN301143       | 55%      | 96.5%          | 93.0%            |
| SAU801621     | LPN102566       | 54%      | 96.0%          | 99.2%            |
| SAU801621     | LMO100858       | 77%      | 99.5%          | 98.9%            |
| SAU801621     | MCA100336       | 55%      | 95.7%          | 93.9%            |
| SAU801621     | MAV103827       | 35%      | 94.9%          | 98.6%            |
| SAU801621     | MBV105909       | 35%      | 94.9%          | 96.2%            |
| SAU801621     | MLP101048       | 35%      | 94.9%          | 98.6%            |
| SAU801621     | MTU202984       | 35%      | 94.9%          | 96.2%            |
| SAU801621     | MGE100301       | 37%      | 94.4%          | 98.1%            |
| SAU801621     | MPN100419       | 37%      | 96.2%          | 98.6%            |
| SAU801621     | NGO101275       | 51%      | 95.7%          | 91.9%            |
| SAU801621     | NME201603       | 52%      | 95.7%          | 91.9%            |
| SAU801621     | PMU101336       | 56%      | 97.0%          | 94.8%            |
| SAU801621     | PRT100592       | 56%      | 96.0%          | 97.8%            |
| SAU801621     | PAE202624       | 58%      | 94.9%          | 94.1%            |
| SAU801621     | PPU110350       | 57%      | 94.9%          | 94.4%            |
| SAU801621     | PSY104084       | 56%      | 96.2%          | 95.5%            |
| SAU801621     | SPA104236       | 55%      | 96.5%          | 98.1%            |
| SAU801621     | STY102569       | 55%      | 96.5%          | 98.1%            |
| SAU801621     | SAU801621       | 100%     | 100%           | 100%             |
| SAU801621     | SEP201168       | 89%      | 100%           | 100%             |
| SAU801621     | SHA100752       | 89%      | 100%           | 100%             |
| SAU801621     | SMU101360       | 71%      | 97.6%          | 97.6%            |
| SAU801621     | SPN400122       | 72%      | 98.4%          | 93.6%            |
| SAU801621     | SPY201672       | 71%      | 97.3%          | 97.3%            |
| SAU801621     | UUR100405       | 47%      | 98.4%          | 97.4%            |
| SAU801621     | VCH101109       | 54%      | 96.5%          | 97.6%            |
| SAU801621     | YPS003264       | 54%      | 96.0%          | 96.8%            |
| SAU801624     | SAU801624       | 100%     | 100%           | 100%             |
| SAU801624     | SEP203376       | 72%      | 95.8%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801625     | BAN103970       | 45%      | 85%            | 77.3%            |
| SAU801625     | BAN109777       | 54%      | 53.3%          | 82.9%            |
| SAU801625     | BCE109299       | 38%      | 95%            | 47.2%            |
| SAU801625     | BFU108906       | 39%      | 88.3%          | 74.6%            |
| SAU801625     | CDP102360       | 38%      | 71.7%          | 94.2%            |
| SAU801625     | EBC104212       | 34%      | 86.7%          | 75.4%            |
| SAU801625     | EFA204368       | 39%      | 96.7%          | 61.0%            |
| SAU801625     | EFM202444       | 30%      | 83.3%          | 74.6%            |
| SAU801625     | ECO103939       | 47%      | 56.7%          | 49.3%            |
| SAU801625     | KPN304718       | 44%      | 56.7%          | 49.3%            |
| SAU801625     | LMO100321       | 32%      | 88.3%          | 90.2%            |
| SAU801625     | MAV107307       | 35%      | 83.3%          | 73.1%            |
| SAU801625     | MAV106390       | 37%      | 68.3%          | 54.4%            |
| SAU801625     | MAV109056       | 36%      | 78.3%          | 63.6%            |
| SAU801625     | PAE204734       | 28%      | 91.7%          | 90.8%            |
| SAU801625     | PPU109566       | 45%      | 66.7%          | 81.6%            |
| SAU801625     | PSY104361       | 34%      | 78.3%          | 74.6%            |
| SAU801625     | SPA103512       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | STY101943       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | STM102797       | 44%      | 56.7%          | 48.6%            |
| SAU801625     | SAU800840       | 79%      | 98.3%          | 92.2%            |
| SAU801625     | SAU801625       | 100%     | 100%           | 100%             |
| SAU801625     | SEP203695       | 71%      | 93.3%          | 88.9%            |
| SAU801625     | SPN401624       | 40%      | 98.3%          | 88.1%            |
| SAU801625     | SPN401384       | 44%      | 98.3%          | 92.2%            |
| SAU801625     | SPY201542       | 38%      | 95%            | 86.4%            |
| SAU801625     | SPY200970       | 46%      | 85%            | 81.8%            |
| SAU801626     | ABA104591       | 43%      | 57.1%          | 51.0%            |
| SAU801626     | BAN106612       | 60%      | 100%           | 100%             |
| SAU801626     | BAN110626       | 64%      | 100%           | 100%             |
| SAU801626     | BPT100530       | 33%      | 89.3%          | 80%              |
| SAU801626     | BCE101233       | 31%      | 89.3%          | 75.4%            |
| SAU801626     | BFU111916       | 34%      | 89.3%          | 76.7%            |
| SAU801626     | BMA105369       | 31%      | 89.3%          | 75.4%            |
| SAU801626     | CJU100815       | 24%      | 86.4%          | 93.4%            |
| SAU801626     | CAC101137       | 39%      | 89.3%          | 94.2%            |
| SAU801626     | CBO101126       | 40%      | 89.3%          | 89.2%            |
| SAU801626     | CDF100898       | 44%      | 86.4%          | 86.5%            |
| SAU801626     | EBC103621       | 31%      | 64.3%          | 63.1%            |
| SAU801626     | ECO102482       | 33%      | 95.7%          | 84.6%            |
| SAU801626     | HIN100358       | 48%      | 57.1%          | 53.3%            |
| SAU801626     | KPN306316       | 32%      | 95.7%          | 84.0%            |
| SAU801626     | LPN100480       | 30%      | 95.7%          | 91.5%            |
| SAU801626     | LMO102363       | 64%      | 100%           | 100%             |
| SAU801626     | MCA100831       | 33%      | 95.7%          | 84.5%            |
| SAU801626     | MAV100728       | 30%      | 87.1%          | 81.1%            |
| SAU801626     | MBV105554       | 30%      | 88.6%          | 81.4%            |
| SAU801626     | MTU201270       | 30%      | 88.6%          | 81.4%            |
| SAU801626     | NGO101056       | 35%      | 89.3%          | 88.5%            |
| SAU801626     | NME201452       | 35%      | 89.3%          | 88.5%            |
| SAU801626     | PMU100317       | 35%      | 89.3%          | 85.1%            |
| SAU801626     | PRT105219       | 30%      | 95.7%          | 84.1%            |
| SAU801626     | PAE203812       | 45%      | 57.1%          | 49.1%            |
| SAU801626     | PPU104025       | 31%      | 93.6%          | 75.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801626     | PSY108566       | 42%      | 57.1%          | 49.1%            |
| SAU801626     | SPA100194       | 33%      | 95.7%          | 84.0%            |
| SAU801626     | STY105174       | 33%      | 95.7%          | 83.5%            |
| SAU801626     | STM103542       | 31%      | 83.6%          | 85.8%            |
| SAU801626     | SAU801626       | 100%     | 100%           | 100%             |
| SAU801626     | SEP201571       | 91%      | 100%           | 100%             |
| SAU801626     | SHA102530       | 88%      | 90%            | 100%             |
| SAU801626     | VCH100734       | 34%      | 85.7%          | 67.0%            |
| SAU801626     | YPS003291       | 32%      | 95.7%          | 85.4%            |
| SAU801630     | ABA101157       | 52%      | 99.3%          | 98.5%            |
| SAU801630     | BAN109213       | 47%      | 99.7%          | 100%             |
| SAU801630     | BAN103380       | 66%      | 99.7%          | 99.0%            |
| SAU801630     | BFR10266        | 52%      | 77.7%          | 98.7%            |
| SAU801630     | BPT101790       | 51%      | 99.5%          | 99.2%            |
| SAU801630     | BBU100445       | 48%      | 85.2%          | 98.8%            |
| SAU801630     | BCE104313       | 40%      | 16.3%          | 76.6%            |
| SAU801630     | BCE111669       | 52%      | 99.8%          | 98.8%            |
| SAU801630     | BFU111015       | 53%      | 99.8%          | 99.0%            |
| SAU801630     | BMA100432       | 52%      | 99.8%          | 98.8%            |
| SAU801630     | CJU100601       | 51%      | 97.3%          | 97.1%            |
| SAU801630     | CPN200083       | 46%      | 99.7%          | 99.7%            |
| SAU801630     | CTR200818       | 44%      | 99.7%          | 100%             |
| SAU801630     | CAC102618       | 55%      | 99.3%          | 97.6%            |
| SAU801630     | CBO100008       | 54%      | 99.1%          | 97.6%            |
| SAU801630     | CDF100502       | 52%      | 99.3%          | 97.8%            |
| SAU801630     | CDP100396       | 46%      | 98.3%          | 97.0%            |
| SAU801630     | EBC102309       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | EFA202213       | 63%      | 99.7%          | 99.2%            |
| SAU801630     | EFM202626       | 62%      | 99.7%          | 99.2%            |
| SAU801630     | ECO101834       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | HIN100302       | 51%      | 99.1%          | 99.0%            |
| SAU801630     | HPY100610       | 50%      | 99.3%          | 99.7%            |
| SAU801630     | KPN301306       | 59%      | 52.6%          | 96.8%            |
| SAU801630     | LPN101576       | 53%      | 99.1%          | 98.7%            |
| SAU801630     | LMO101015       | 64%      | 99.3%          | 98.6%            |
| SAU801630     | MCA100604       | 50%      | 99.3%          | 98.8%            |
| SAU801630     | MAV103031       | 45%      | 87.6%          | 99.6%            |
| SAU801630     | MBV101554       | 45%      | 98.3%          | 94.8%            |
| SAU801630     | MLP100306       | 44%      | 98.3%          | 97.8%            |
| SAU801630     | MTU202535       | 45%      | 98.3%          | 97.1%            |
| SAU801630     | MGE100036       | 35%      | 97.3%          | 96.9%            |
| SAU801630     | MPN100108       | 36%      | 98.1%          | 96.6%            |
| SAU801630     | NGO101633       | 52%      | 99.1%          | 99.3%            |
| SAU801630     | NME201865       | 52%      | 99.3%          | 98.3%            |
| SAU801630     | PMU100983       | 51%      | 99.1%          | 99.0%            |
| SAU801630     | PRT100115       | 53%      | 99.1%          | 100%             |
| SAU801630     | PAE200962       | 53%      | 99.3%          | 98.6%            |
| SAU801630     | PPU112195       | 52%      | 99.3%          | 98.6%            |
| SAU801630     | PSY106866       | 53%      | 90.1%          | 97.6%            |
| SAU801630     | SPA102449       | 52%      | 65.1%          | 98.0%            |
| SAU801630     | STY102265       | 54%      | 99.1%          | 98.6%            |
| SAU801630     | SAU801630       | 100%     | 100%           | 100%             |
| SAU801630     | SEP201575       | 88%      | 100%           | 100%             |
| SAU801630     | SHA100663       | 89%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801630     | SMU101272       | 57%      | 99.3%          | 98.0%            |
| SAU801630     | SPN401921       | 57%      | 99.3%          | 98.3%            |
| SAU801630     | SPY201648       | 56%      | 99.3%          | 99.1%            |
| SAU801630     | TPA100975       | 44%      | 99.3%          | 96.8%            |
| SAU801630     | UUR100288       | 42%      | 99.0%          | 99.3%            |
| SAU801630     | VCH101147       | 52%      | 99.3%          | 98.6%            |
| SAU801630     | YPS003419       | 52%      | 99.1%          | 97.3%            |
| SAU801631     | ABA101469       | 49%      | 15%            | 78.8%            |
| SAU801631     | ABA100694       | 40%      | 98.1%          | 96.7%            |
| SAU801631     | BAN108710       | 37%      | 96.4%          | 97.9%            |
| SAU801631     | BAN104310       | 58%      | 99.0%          | 89.8%            |
| SAU801631     | BFR11762        | 23%      | 98.1%          | 97.6%            |
| SAU801631     | BPT100013       | 40%      | 94.3%          | 90.1%            |
| SAU801631     | BBU100134       | 23%      | 99.5%          | 97.2%            |
| SAU801631     | BCE114784       | 40%      | 98.1%          | 93.7%            |
| SAU801631     | BFU113972       | 40%      | 93.8%          | 88.1%            |
| SAU801631     | BMA106479       | 40%      | 98.1%          | 93.7%            |
| SAU801631     | CJU100704       | 36%      | 98.6%          | 99.0%            |
| SAU801631     | CPN200082       | 38%      | 98.8%          | 98.1%            |
| SAU801631     | CTR200819       | 39%      | 96.0%          | 94.6%            |
| SAU801631     | CAC100205       | 26%      | 97.1%          | 97.4%            |
| SAU801631     | CBO102641       | 47%      | 99.5%          | 99.5%            |
| SAU801631     | CDF100504       | 50%      | 100%           | 99.3%            |
| SAU801631     | CDP100409       | 44%      | 98.6%          | 96.5%            |
| SAU801631     | EBC102800       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | EFA202211       | 49%      | 98.6%          | 95.6%            |
| SAU801631     | EFM201250       | 47%      | 98.6%          | 96.3%            |
| SAU801631     | ECO102465       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | HIN100348       | 40%      | 99.5%          | 98.3%            |
| SAU801631     | HPY101173       | 27%      | 95.7%          | 94.1%            |
| SAU801631     | KPN309062       | 39%      | 99.5%          | 98.1%            |
| SAU801631     | LPN101194       | 38%      | 97.6%          | 95.5%            |
| SAU801631     | LMO101789       | 54%      | 98.8%          | 97.4%            |
| SAU801631     | MCA101520       | 42%      | 96.9%          | 97.2%            |
| SAU801631     | MAV103034       | 44%      | 97.9%          | 96.4%            |
| SAU801631     | MBV101555       | 44%      | 97.9%          | 95.7%            |
| SAU801631     | MLP100305       | 41%      | 97.9%          | 94.8%            |
| SAU801631     | MTU202543       | 44%      | 97.9%          | 95.7%            |
| SAU801631     | MGE100035       | 32%      | 95%            | 94.4%            |
| SAU801631     | MPN100109       | 34%      | 98.1%          | 97.6%            |
| SAU801631     | NGO101009       | 43%      | 95.2%          | 93.5%            |
| SAU801631     | NME200980       | 43%      | 95.2%          | 93.5%            |
| SAU801631     | PMU102011       | 41%      | 99.5%          | 98.3%            |
| SAU801631     | PRT104870       | 38%      | 98.8%          | 97.4%            |
| SAU801631     | PAE203799       | 43%      | 98.1%          | 96.3%            |
| SAU801631     | PPU103989       | 43%      | 98.6%          | 96.7%            |
| SAU801631     | PSY103800       | 42%      | 98.1%          | 96.3%            |
| SAU801631     | SPA101921       | 43%      | 70.7%          | 98.0%            |
| SAU801631     | STY101721       | 38%      | 99.5%          | 98.1%            |
| SAU801631     | SAU801631       | 100%     | 100%           | 100%             |
| SAU801631     | SEP201577       | 84%      | 99.8%          | 98.8%            |
| SAU801631     | SHA100662       | 85%      | 100%           | 99.3%            |
| SAU801631     | SMU101274       | 45%      | 97.6%          | 95.1%            |
| SAU801631     | SPN401928       | 48%      | 99.0%          | 96.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801631     | SPY201649       | 46%      | 98.6%          | 96.7%            |
| SAU801631     | TPA100633       | 24%      | 76.2%          | 75.1%            |
| SAU801631     | UUR100287       | 37%      | 97.6%          | 97.6%            |
| SAU801631     | VCH100747       | 40%      | 97.1%          | 96.0%            |
| SAU801631     | YPS003230       | 40%      | 97.1%          | 95.8%            |
| SAU801632     | BAN100228       | 29%      | 55.3%          | 47.5%            |
| SAU801632     | BAN110524       | 28%      | 62.2%          | 49.5%            |
| SAU801632     | BAN102171       | 29%      | 62.5%          | 49.0%            |
| SAU801632     | BAN111103       | 29%      | 61.9%          | 38.1%            |
| SAU801632     | BAN102482       | 29%      | 61.9%          | 37.8%            |
| SAU801632     | BAN101459       | 33%      | 60.1%          | 75.2%            |
| SAU801632     | BFR103557       | 24%      | 55.0%          | 51.9%            |
| SAU801632     | BPT102223       | 27%      | 58.8%          | 48.2%            |
| SAU801632     | BBU100665       | 27%      | 54.6%          | 61.7%            |
| SAU801632     | BCE110660       | 27%      | 57.0%          | 47.8%            |
| SAU801632     | BFU102333       | 27%      | 60.8%          | 45.0%            |
| SAU801632     | BMA100078       | 28%      | 58.8%          | 43.2%            |
| SAU801632     | CJU101194       | 26%      | 72.2%          | 38.4%            |
| SAU801632     | CPN200332       | 32%      | 59.5%          | 70.5%            |
| SAU801632     | CTR200532       | 34%      | 58.8%          | 67.9%            |
| SAU801632     | CAC100830       | 33%      | 58.8%          | 83.1%            |
| SAU801632     | CBO103642       | 28%      | 58.8%          | 100%             |
| SAU801632     | CBO102707       | 34%      | 57.0%          | 18.3%            |
| SAU801632     | CDF100779       | 34%      | 61.9%          | 79.7%            |
| SAU801632     | CDP101644       | 26%      | 58.4%          | 45.5%            |
| SAU801632     | EBC100856       | 28%      | 58.1%          | 74.5%            |
| SAU801632     | EFM202599       | 36%      | 64.9%          | 66.0%            |
| SAU801632     | ECO102754       | 30%      | 58.1%          | 49.0%            |
| SAU801632     | HIN100065       | 29%      | 58.4%          | 52.1%            |
| SAU801632     | HPY100759       | 26%      | 58.8%          | 50.2%            |
| SAU801632     | KPN305150       | 28%      | 58.1%          | 52.5%            |
| SAU801632     | LPN100769       | 29%      | 60.5%          | 48.2%            |
| SAU801632     | LMO100827       | 38%      | 32.6%          | 13.6%            |
| SAU801632     | MAV106636       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MBV103480       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MLP101597       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | MTU203860       | 24%      | 58.4%          | 45.1%            |
| SAU801632     | NGO101686       | 29%      | 62.9%          | 56.7%            |
| SAU801632     | NME201874       | 27%      | 62.9%          | 57.5%            |
| SAU801632     | PMU100903       | 27%      | 57.7%          | 54.5%            |
| SAU801632     | PRT102294       | 26%      | 58.1%          | 52.8%            |
| SAU801632     | PAE204942       | 27%      | 59.8%          | 48.8%            |
| SAU801632     | PPU106701       | 29%      | 57.7%          | 46.6%            |
| SAU801632     | PSY101064       | 30%      | 57.7%          | 54.3%            |
| SAU801632     | SPA104044       | 28%      | 61.2%          | 52.9%            |
| SAU801632     | STY103967       | 29%      | 58.1%          | 52.5%            |
| SAU801632     | STM101271       | 27%      | 61.2%          | 78.9%            |
| SAU801632     | SAU801632       | 100%     | 100%           | 100%             |
| SAU801632     | SEP201579       | 71%      | 100%           | 100%             |
| SAU801632     | SHA100124       | 68%      | 84.9%          | 100%             |
| SAU801632     | TPA100244       | 25%      | 56.4%          | 59.7%            |
| SAU801632     | VCH100339       | 25%      | 62.5%          | 41.3%            |
| SAU801632     | YPS001087       | 28%      | 58.1%          | 52.6%            |
| SAU801636     | ABA101961       | 31%      | 73.1%          | 98.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801636     | BAN104770       | 29%      | 99.6%          | 98.9%            |
| SAU801636     | BAN102480       | 40%      | 99.6%          | 98.6%            |
| SAU801636     | BFR100673       | 32%      | 65.5%          | 99.2%            |
| SAU801636     | BPT101805       | 31%      | 70.0%          | 93.6%            |
| SAU801636     | BBU100253       | 32%      | 73.3%          | 99.2%            |
| SAU801636     | BFU108641       | 31%      | 72.5%          | 99.1%            |
| SAU801636     | BMA106924       | 31%      | 70.3%          | 96.3%            |
| SAU801636     | CJU100028       | 34%      | 69.6%          | 98.3%            |
| SAU801636     | CPN200184       | 27%      | 71.6%          | 94.7%            |
| SAU801636     | CTR200722       | 28%      | 72.7%          | 97.1%            |
| SAU801636     | CAC102562       | 33%      | 69.9%          | 95.9%            |
| SAU801636     | CBO101432       | 35%      | 73.2%          | 98.8%            |
| SAU801636     | CDF100497       | 38%      | 73.1%          | 68.6%            |
| SAU801636     | EBC102952       | 38%      | 47.8%          | 84.8%            |
| SAU801636     | EFA201172       | 38%      | 99.3%          | 99.2%            |
| SAU801636     | EFM100083       | 43%      | 38.3%          | 99.7%            |
| SAU801636     | ECO102828       | 32%      | 70.3%          | 96.0%            |
| SAU801636     | HIN101186       | 34%      | 65.7%          | 90.8%            |
| SAU801636     | HPY100344       | 30%      | 65.3%          | 94.0%            |
| SAU801636     | KPN303321       | 32%      | 70.5%          | 96.4%            |
| SAU801636     | LPN103347       | 31%      | 71.9%          | 98.1%            |
| SAU801636     | LMO102252       | 37%      | 99.9%          | 98.1%            |
| SAU801636     | MCA101569       | 29%      | 72.8%          | 96.3%            |
| SAU801636     | NGO100971       | 32%      | 65.1%          | 89.4%            |
| SAU801636     | NME200968       | 33%      | 65.1%          | 89.4%            |
| SAU801636     | PMU100192       | 31%      | 65.7%          | 90.8%            |
| SAU801636     | PRT103507       | 30%      | 70.1%          | 95.8%            |
| SAU801636     | PAE203722       | 32%      | 65.8%          | 91.2%            |
| SAU801636     | PPU107844       | 32%      | 65.3%          | 90.5%            |
| SAU801636     | PSY104923       | 32%      | 65.8%          | 91.2%            |
| SAU801636     | SPA102978       | 30%      | 70.1%          | 95.8%            |
| SAU801636     | STY104138       | 32%      | 70.1%          | 95.8%            |
| SAU801636     | SAU801636       | 100%     | 100%           | 100%             |
| SAU801636     | SEP201590       | 66%      | 100%           | 100%             |
| SAU801636     | SHA101075       | 68%      | 99.7%          | 99.7%            |
| SAU801636     | SMU100405       | 39%      | 98.3%          | 97.5%            |
| SAU801636     | SPN400537       | 38%      | 99.3%          | 98.9%            |
| SAU801636     | SPY200696       | 37%      | 96.2%          | 95.9%            |
| SAU801636     | TPA100696       | 27%      | 0.5%           | 20.1%            |
| SAU801636     | VCH102382       | 30%      | 70.1%          | 95.5%            |
| SAU801636     | YPS000162       | 29%      | 71.3%          | 97.4%            |
| SAU801643     | CAC103297       | 30%      | 94.1%          | 91.6%            |
| SAU801643     | CBO102699       | 28%      | 93.4%          | 94%              |
| SAU801643     | SAU801643       | 100%     | 100%           | 100%             |
| SAU801643     | SEP201603       | 74%      | 99.3%          | 100%             |
| SAU801643     | SHA100641       | 82%      | 99.3%          | 100%             |
| SAU801644     | ABA102020       | 45%      | 79.3%          | 84.2%            |
| SAU801644     | BAN108425       | 53%      | 99.8%          | 100%             |
| SAU801644     | BAN110337       | 64%      | 100%           | 100%             |
| SAU801644     | BFR10585        | 42%      | 80.5%          | 94.5%            |
| SAU801644     | BPT102468       | 45%      | 79.1%          | 91.8%            |
| SAU801644     | BBU100780       | 39%      | 74.4%          | 96.0%            |
| SAU801644     | BCE109750       | 47%      | 79.3%          | 93.2%            |
| SAU801644     | BFU106483       | 44%      | 85.3%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801644     | BMA107520       | 47%      | 77.2%          | 90.3%            |
| SAU801644     | CJU100085       | 41%      | 77.4%          | 98%              |
| SAU801644     | CPN200205       | 42%      | 76.3%          | 97.1%            |
| SAU801644     | CTR200689       | 45%      | 76.7%          | 100%             |
| SAU801644     | CAC103735       | 49%      | 100%           | 100%             |
| SAU801644     | CBO102816       | 48%      | 99.8%          | 99.8%            |
| SAU801644     | CDF101736       | 51%      | 99.5%          | 98.8%            |
| SAU801644     | CDP101218       | 43%      | 99.3%          | 86.0%            |
| SAU801644     | EBC102677       | 45%      | 75.1%          | 83.4%            |
| SAU801644     | EFA201920       | 61%      | 100%           | 99.5%            |
| SAU801644     | EFM201911       | 60%      | 88.8%          | 97.5%            |
| SAU801644     | ECO103113       | 47%      | 69.8%          | 77.7%            |
| SAU801644     | HIN100857       | 45%      | 75.6%          | 84.1%            |
| SAU801644     | HPY100299       | 48%      | 68.1%          | 80.6%            |
| SAU801644     | KPN300686       | 43%      | 79.3%          | 87.2%            |
| SAU801644     | LPN101316       | 48%      | 64.9%          | 99.3%            |
| SAU801644     | LMO102191       | 65%      | 100%           | 100%             |
| SAU801644     | MCA101313       | 46%      | 77.2%          | 82.9%            |
| SAU801644     | MAV104121       | 43%      | 97.7%          | 86.6%            |
| SAU801644     | MBV104432       | 43%      | 99.3%          | 88.6%            |
| SAU801644     | MLP100902       | 42%      | 99.3%          | 90.2%            |
| SAU801644     | MTU202404       | 43%      | 99.3%          | 89.6%            |
| SAU801644     | MGE100395       | 37%      | 98.4%          | 98.2%            |
| SAU801644     | MPN100279       | 38%      | 98.4%          | 98.2%            |
| SAU801644     | NGO100959       | 44%      | 83.0%          | 97.7%            |
| SAU801644     | NME200322       | 43%      | 83.0%          | 97.7%            |
| SAU801644     | PMU100351       | 44%      | 79.3%          | 88.7%            |
| SAU801644     | PRT100791       | 44%      | 79.8%          | 89.7%            |
| SAU801644     | PAE204564       | 47%      | 76.5%          | 82.0%            |
| SAU801644     | PPU110997       | 45%      | 79.1%          | 87.5%            |
| SAU801644     | PSY102705       | 46%      | 65.6%          | 78.9%            |
| SAU801644     | SPA100458       | 44%      | 75.1%          | 89.3%            |
| SAU801644     | STY101485       | 44%      | 75.1%          | 83.6%            |
| SAU801644     | SAU801644       | 100%     | 100%           | 100%             |
| SAU801644     | SEP201605       | 90%      | 100%           | 100%             |
| SAU801644     | SHA100640       | 88%      | 85.1%          | 100%             |
| SAU801644     | SMU100127       | 58%      | 100%           | 99.5%            |
| SAU801644     | SPN400984       | 59%      | 100%           | 99.5%            |
| SAU801644     | SPY201023       | 60%      | 100%           | 99.5%            |
| SAU801644     | TPA100734       | 40%      | 74.2%          | 84.0%            |
| SAU801644     | UUR100466       | 37%      | 99.8%          | 99.5%            |
| SAU801644     | VCH100432       | 39%      | 84.9%          | 96.2%            |
| SAU801644     | YPS002137       | 42%      | 86.3%          | 98.7%            |
| SAU801645     | ABA101804       | 61%      | 73.7%          | 85.9%            |
| SAU801645     | BAN111062       | 82%      | 94.9%          | 100%             |
| SAU801645     | BAN102544       | 84%      | 94.9%          | 97.9%            |
| SAU801645     | BFR10883        | 53%      | 80.8%          | 89.9%            |
| SAU801645     | BPT102470       | 59%      | 82.8%          | 96.5%            |
| SAU801645     | BBU100779       | 56%      | 80.8%          | 97.5%            |
| SAU801645     | BCE103036       | 55%      | 84.8%          | 96.6%            |
| SAU801645     | BFU106480       | 57%      | 78.8%          | 89.7%            |
| SAU801645     | BMA101618       | 55%      | 84.8%          | 96.6%            |
| SAU801645     | CJU100084       | 59%      | 81.8%          | 96.4%            |
| SAU801645     | CPN200204       | 58%      | 73.7%          | 86.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801645     | CTR200690       | 61%      | 80.8%          | 94.0%            |
| SAU801645     | CAC103330       | 67%      | 92.9%          | 92%              |
| SAU801645     | CBO102962       | 75%      | 92.9%          | 92%              |
| SAU801645     | CDF101911       | 68%      | 93.9%          | 96.9%            |
| SAU801645     | CDP101220       | 63%      | 80.8%          | 89.8%            |
| SAU801645     | EBC100461       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | EFA202214       | 81%      | 93.9%          | 94.9%            |
| SAU801645     | EFM200824       | 80%      | 94.9%          | 96.9%            |
| SAU801645     | ECO103115       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | HIN100859       | 58%      | 80.8%          | 94.1%            |
| SAU801645     | HPY100293       | 60%      | 80.8%          | 90.9%            |
| SAU801645     | KPN300596       | 59%      | 82.8%          | 97.6%            |
| SAU801645     | LPN100139       | 51%      | 80.8%          | 88.0%            |
| SAU801645     | LMO100798       | 85%      | 90.9%          | 93.8%            |
| SAU801645     | MCA101440       | 55%      | 82.8%          | 97.6%            |
| SAU801645     | MAV104122       | 57%      | 85.9%          | 95.5%            |
| SAU801645     | MBV104431       | 63%      | 80.8%          | 91.9%            |
| SAU801645     | MLP100903       | 61%      | 83.8%          | 93.2%            |
| SAU801645     | MTU202405       | 63%      | 80.8%          | 91.9%            |
| SAU801645     | MGE100239       | 63%      | 87.9%          | 83.7%            |
| SAU801645     | MPN100509       | 67%      | 89.9%          | 87.5%            |
| SAU801645     | NGO101635       | 58%      | 80.8%          | 90%              |
| SAU801645     | NME202000       | 56%      | 80.8%          | 90%              |
| SAU801645     | PMU100348       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | PRT100790       | 59%      | 82.8%          | 97.6%            |
| SAU801645     | PAE204565       | 62%      | 82.8%          | 97.6%            |
| SAU801645     | PPU109793       | 56%      | 82.8%          | 97.6%            |
| SAU801645     | PSY102707       | 51%      | 85.9%          | 94.5%            |
| SAU801645     | SPA100460       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | STY101487       | 60%      | 82.8%          | 97.6%            |
| SAU801645     | SAU801645       | 100%     | 100%           | 100%             |
| SAU801645     | SEP201610       | 92%      | 100%           | 100%             |
| SAU801645     | SHA100024       | 92%      | 100%           | 100%             |
| SAU801645     | SMU100757       | 82%      | 90.9%          | 92.8%            |
| SAU801645     | SPN401014       | 79%      | 89.9%          | 100%             |
| SAU801645     | SPY200612       | 80%      | 90.9%          | 92.8%            |
| SAU801645     | TPA100735       | 60%      | 80.8%          | 93.1%            |
| SAU801645     | UUR100211       | 65%      | 85.9%          | 85%              |
| SAU801645     | VCH100431       | 60%      | 80.8%          | 94.2%            |
| SAU801645     | YPS002142       | 60%      | 82.8%          | 97.6%            |
| SAU801646     | BAN108189       | 37%      | 92.0%          | 93.9%            |
| SAU801646     | BAN100435       | 37%      | 92.0%          | 93.9%            |
| SAU801646     | CBO101665       | 32%      | 83.9%          | 88.0%            |
| SAU801646     | CDF103326       | 30%      | 92.0%          | 97.1%            |
| SAU801646     | EFA202216       | 36%      | 82.1%          | 85.1%            |
| SAU801646     | EFM200511       | 35%      | 84.8%          | 87.7%            |
| SAU801646     | ECO101034       | 30%      | 41.1%          | 56.8%            |
| SAU801646     | LMO102819       | 33%      | 94.6%          | 100%             |
| SAU801646     | MGE100238       | 40%      | 40.2%          | 39.4%            |
| SAU801646     | MPN100510       | 48%      | 22.3%          | 25%              |
| SAU801646     | SAU801646       | 100%     | 100%           | 100%             |
| SAU801646     | SEP201611       | 89%      | 94.6%          | 100%             |
| SAU801646     | SHA100023       | 86%      | 94.6%          | 100%             |
| SAU801646     | SMU100756       | 32%      | 82.1%          | 86.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801646     | SPN401013       | 24%      | 83.0%          | 86.0%            |
| SAU801646     | SPY200611       | 28%      | 85.7%          | 90.7%            |
| SAU801646     | TPA100736       | 29%      | 92.0%          | 94.4%            |
| SAU801646     | UUR100212       | 29%      | 78.6%          | 80.4%            |
| SAU801647     | ABA105440       | 47%      | 99.0%          | 99.0%            |
| SAU801647     | BAN108298       | 72%      | 100%           | 100%             |
| SAU801647     | BAN107763       | 72%      | 100%           | 100%             |
| SAU801647     | BFR10884        | 46%      | 100%           | 86.8%            |
| SAU801647     | BPT104764       | 47%      | 100%           | 42.0%            |
| SAU801647     | BBU100777       | 37%      | 98.0%          | 98.1%            |
| SAU801647     | BCE111959       | 49%      | 100%           | 100%             |
| SAU801647     | BFU106477       | 50%      | 100%           | 83.1%            |
| SAU801647     | BMA107479       | 48%      | 100%           | 100%             |
| SAU801647     | CJU100083       | 36%      | 100%           | 100%             |
| SAU801647     | CPN200203       | 40%      | 97.1%          | 95.3%            |
| SAU801647     | CTR200691       | 41%      | 94.1%          | 92.5%            |
| SAU801647     | CAC100327       | 53%      | 100%           | 100%             |
| SAU801647     | CBO100385       | 54%      | 100%           | 78.2%            |
| SAU801647     | CDF101910       | 54%      | 100%           | 97.2%            |
| SAU801647     | CDP101222       | 38%      | 98.0%          | 99.0%            |
| SAU801647     | EBC100460       | 34%      | 31.4%          | 100%             |
| SAU801647     | EFA202217       | 62%      | 100%           | 96.2%            |
| SAU801647     | EFM200259       | 64%      | 100%           | 100%             |
| SAU801647     | ECO103116       | 41%      | 100%           | 100%             |
| SAU801647     | HIN100860       | 46%      | 100%           | 100%             |
| SAU801647     | HPY100292       | 40%      | 99.0%          | 98.1%            |
| SAU801647     | KPN300595       | 40%      | 87.3%          | 100%             |
| SAU801647     | LPN100481       | 43%      | 98.0%          | 98.1%            |
| SAU801647     | LMO101855       | 75%      | 100%           | 100%             |
| SAU801647     | MCA101422       | 43%      | 100%           | 100%             |
| SAU801647     | MAV102387       | 34%      | 97.1%          | 96.1%            |
| SAU801647     | MBV104430       | 34%      | 97.1%          | 95.2%            |
| SAU801647     | MLP100904       | 34%      | 97.1%          | 96.1%            |
| SAU801647     | MTU202406       | 34%      | 97.1%          | 95.2%            |
| SAU801647     | MGE100237       | 40%      | 95.1%          | 94%              |
| SAU801647     | MPN100511       | 42%      | 95.1%          | 94%              |
| SAU801647     | NGO101632       | 43%      | 95.1%          | 86.0%            |
| SAU801647     | NME201999       | 43%      | 95.1%          | 96.1%            |
| SAU801647     | PMU100347       | 46%      | 100%           | 100%             |
| SAU801647     | PRT100789       | 45%      | 98.0%          | 99.0%            |
| SAU801647     | PAE204566       | 49%      | 100%           | 100%             |
| SAU801647     | PPU108773       | 47%      | 99.0%          | 65.0%            |
| SAU801647     | PSY108282       | 49%      | 100%           | 64.8%            |
| SAU801647     | SPA100461       | 38%      | 69.6%          | 100%             |
| SAU801647     | STY101488       | 41%      | 100%           | 100%             |
| SAU801647     | SAU801647       | 100%     | 100%           | 100%             |
| SAU801647     | SEP201612       | 94%      | 100%           | 100%             |
| SAU801647     | SMU100215       | 60%      | 99.0%          | 97.1%            |
| SAU801647     | SPN401012       | 57%      | 99.0%          | 97.1%            |
| SAU801647     | SPY200610       | 60%      | 99.0%          | 97.1%            |
| SAU801647     | TPA100737       | 43%      | 98.0%          | 97.1%            |
| SAU801647     | UUR100213       | 51%      | 99.0%          | 98%              |
| SAU801647     | VCH100430       | 50%      | 100%           | 100%             |
| SAU801647     | YPS002148       | 42%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801648     | ABA104912       | 24%      | 52.8%          | 37.8%            |
| SAU801648     | BAN104044       | 23%      | 83.0%          | 88.6%            |
| SAU801648     | BAN108789       | 21%      | 95.5%          | 92.8%            |
| SAU801648     | CBO103951       | 21%      | 75%            | 76.5%            |
| SAU801648     | EBC106824       | 27%      | 37.5%          | 62.9%            |
| SAU801648     | EFA202030       | 25%      | 85.8%          | 91.1%            |
| SAU801648     | EFM200541       | 20%      | 85.8%          | 89.9%            |
| SAU801648     | LPN102451       | 25%      | 46.0%          | 24.5%            |
| SAU801648     | LMO101092       | 21%      | 81.2%          | 79.7%            |
| SAU801648     | MGE100319       | 22%      | 73.3%          | 42.9%            |
| SAU801648     | SPA102371       | 24%      | 68.2%          | 90.2%            |
| SAU801648     | STY102480       | 22%      | 72.2%          | 80.9%            |
| SAU801648     | STM102604       | 22%      | 72.2%          | 80.9%            |
| SAU801648     | SAU801648       | 100%     | 100%           | 100%             |
| SAU801648     | SEP201613       | 68%      | 97.7%          | 99.4%            |
| SAU801648     | SHA102804       | 50%      | 94.3%          | 98.2%            |
| SAU801648     | SMU101227       | 20%      | 88.1%          | 91.2%            |
| SAU801648     | SPN402019       | 23%      | 79.5%          | 89.0%            |
| SAU801648     | UUR100272       | 25%      | 91.5%          | 74.4%            |
| SAU801663     | ABA101795       | 41%      | 99.3%          | 98.5%            |
| SAU801663     | BAN107436       | 52%      | 99.3%          | 98.8%            |
| SAU801663     | BAN109623       | 68%      | 99.3%          | 98.8%            |
| SAU801663     | BFR103128       | 42%      | 99.9%          | 99.8%            |
| SAU801663     | BPT100020       | 38%      | 99.2%          | 97.9%            |
| SAU801663     | BBU100737       | 43%      | 99.3%          | 99.0%            |
| SAU801663     | BCE114033       | 40%      | 99.3%          | 99.1%            |
| SAU801663     | BFU109684       | 40%      | 99.1%          | 98.2%            |
| SAU801663     | BMA104351       | 39%      | 99.3%          | 99.1%            |
| SAU801663     | CJU100714       | 40%      | 99.2%          | 99.8%            |
| SAU801663     | CPN200668       | 36%      | 97.4%          | 97.4%            |
| SAU801663     | CTR200568       | 36%      | 99.1%          | 99.0%            |
| SAU801663     | CAC100067       | 51%      | 99.8%          | 99.4%            |
| SAU801663     | CBO100672       | 51%      | 99.8%          | 99.4%            |
| SAU801663     | CDF100033       | 36%      | 26.0%          | 98.7%            |
| SAU801663     | CDF102611       | 51%      | 99.3%          | 98.6%            |
| SAU801663     | CDP101232       | 42%      | 99.8%          | 99.3%            |
| SAU801663     | EBC104048       | 40%      | 97.5%          | 97.8%            |
| SAU801663     | EFA200179       | 65%      | 99.4%          | 98.9%            |
| SAU801663     | EFM201966       | 66%      | 99.7%          | 99.0%            |
| SAU801663     | ECO104148       | 40%      | 98.2%          | 98.4%            |
| SAU801663     | HIN101359       | 40%      | 99.9%          | 99.4%            |
| SAU801663     | HPY101136       | 39%      | 99.9%          | 99.5%            |
| SAU801663     | KPN303513       | 40%      | 97.1%          | 99.6%            |
| SAU801663     | LPN102949       | 43%      | 93.9%          | 100%             |
| SAU801663     | LMO102840       | 66%      | 99.9%          | 99.0%            |
| SAU801663     | MCA101259       | 41%      | 99.5%          | 99.2%            |
| SAU801663     | MAV104126       | 44%      | 94.1%          | 100%             |
| SAU801663     | MBV101058       | 43%      | 99.7%          | 100%             |
| SAU801663     | MLP100909       | 44%      | 99.8%          | 99.0%            |
| SAU801663     | MTU202412       | 43%      | 99.7%          | 100%             |
| SAU801663     | MGE100341       | 36%      | 99.1%          | 98.3%            |
| SAU801663     | MPN100361       | 36%      | 99.2%          | 98.4%            |
| SAU801663     | NGO100851       | 40%      | 99.2%          | 99.8%            |
| SAU801663     | NME200089       | 40%      | 99.7%          | 99.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801663     | PMU100818       | 40%      | 99.9%          | 99.4%            |
| SAU801663     | PRT105161       | 42%      | 97.0%          | 96.3%            |
| SAU801663     | PAE203831       | 41%      | 98.2%          | 98.4%            |
| SAU801663     | PPU109466       | 41%      | 97.7%          | 98.5%            |
| SAU801663     | PSY104286       | 42%      | 98.2%          | 98.4%            |
| SAU801663     | SPA100729       | 34%      | 67.4%          | 98.4%            |
| SAU801663     | STY104006       | 40%      | 98.2%          | 98.4%            |
| SAU801663     | SAU801663       | 100%     | 100%           | 100%             |
| SAU801663     | SEP201629       | 89%      | 100%           | 100%             |
| SAU801663     | SHA100785       | 89%      | 100%           | 100%             |
| SAU801663     | SMU100583       | 60%      | 99.8%          | 99.2%            |
| SAU801663     | SPN400492       | 59%      | 99.8%          | 99.2%            |
| SAU801663     | SPY201210       | 61%      | 99.8%          | 99.3%            |
| SAU801663     | TPA101025       | 40%      | 97.5%          | 96.0%            |
| SAU801663     | UUR100269       | 41%      | 99.8%          | 99.2%            |
| SAU801663     | VCH102467       | 41%      | 99.8%          | 99.5%            |
| SAU801663     | YPS000947       | 41%      | 97.0%          | 96.0%            |
| SAU801668     | ABA100700       | 43%      | 96.3%          | 88.7%            |
| SAU801668     | BAN101055       | 53%      | 100%           | 99.7%            |
| SAU801668     | BAN100517       | 63%      | 100%           | 97.9%            |
| SAU801668     | BPT100922       | 45%      | 98.8%          | 95.6%            |
| SAU801668     | BCE101370       | 45%      | 98.1%          | 96.7%            |
| SAU801668     | BFU101599       | 45%      | 98.1%          | 96.7%            |
| SAU801668     | BMA104829       | 46%      | 98.1%          | 96.7%            |
| SAU801668     | CJU100923       | 50%      | 98.8%          | 98.5%            |
| SAU801668     | CPN200001       | 43%      | 98.1%          | 95.8%            |
| SAU801668     | CTR200001       | 42%      | 98.1%          | 95.5%            |
| SAU801668     | CAC102676       | 55%      | 98.8%          | 99.4%            |
| SAU801668     | CBO101832       | 54%      | 98.8%          | 98.1%            |
| SAU801668     | CDF102168       | 56%      | 98.8%          | 98.5%            |
| SAU801668     | CDP100775       | 48%      | 98.1%          | 97.9%            |
| SAU801668     | EBC102698       | 54%      | 67.3%          | 96.0%            |
| SAU801668     | ECO100361       | 49%      | 96.9%          | 92.8%            |
| SAU801668     | HPY100160       | 51%      | 99.4%          | 99.4%            |
| SAU801668     | KPN308372       | 49%      | 96.9%          | 96.0%            |
| SAU801668     | LPN101016       | 48%      | 98.5%          | 96.1%            |
| SAU801668     | LMO100837       | 66%      | 99.7%          | 99.1%            |
| SAU801668     | MCA101135       | 45%      | 98.5%          | 96.4%            |
| SAU801668     | MAV107884       | 45%      | 98.1%          | 97.9%            |
| SAU801668     | MBV102362       | 46%      | 98.1%          | 97.6%            |
| SAU801668     | MLP101436       | 44%      | 98.1%          | 97.0%            |
| SAU801668     | MTU200510       | 46%      | 98.1%          | 97.0%            |
| SAU801668     | NGO100861       | 43%      | 98.8%          | 95.3%            |
| SAU801668     | NME200933       | 44%      | 98.8%          | 95.3%            |
| SAU801668     | PMU101692       | 45%      | 98.1%          | 94.4%            |
| SAU801668     | PRT102370       | 49%      | 96.9%          | 95.7%            |
| SAU801668     | PAE205238       | 45%      | 98.8%          | 95.5%            |
| SAU801668     | PPU110651       | 47%      | 97.5%          | 96.6%            |
| SAU801668     | PSY101277       | 45%      | 96.0%          | 93.2%            |
| SAU801668     | SPA101546       | 46%      | 84.9%          | 94.7%            |
| SAU801668     | STY104591       | 49%      | 96.9%          | 96.0%            |
| SAU801668     | SAU801668       | 100%     | 100%           | 100%             |
| SAU801668     | SEP201642       | 90%      | 100%           | 100%             |
| SAU801668     | SHA101765       | 86%      | 62.3%          | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801668     | VCH100105       | 45%      | 98.1%          | 92.5%            |
| SAU801668     | YPS000599       | 46%      | 98.1%          | 94.4%            |
| SAU801669     | BAN100994       | 40%      | 34.7%          | 32.9%            |
| SAU801669     | BAN107924       | 32%      | 80.6%          | 76.4%            |
| SAU801669     | CJU101006       | 23%      | 78.4%          | 81.3%            |
| SAU801669     | CDP100774       | 25%      | 82.4%          | 36.2%            |
| SAU801669     | LPN101520       | 24%      | 57.7%          | 54.8%            |
| SAU801669     | LMO101547       | 27%      | 87.8%          | 33.3%            |
| SAU801669     | MAV108772       | 27%      | 80.6%          | 36.2%            |
| SAU801669     | MBV102363       | 27%      | 80.6%          | 36.3%            |
| SAU801669     | MLP101437       | 26%      | 83.3%          | 36.6%            |
| SAU801669     | MTU200509       | 27%      | 80.6%          | 35.4%            |
| SAU801669     | SAU801669       | 100%     | 100%           | 100%             |
| SAU801669     | SEP201643       | 64%      | 99.5%          | 97.8%            |
| SAU801669     | SHA100589       | 55%      | 99.1%          | 97.3%            |
| SAU801670     | ABA104490       | 46%      | 98.7%          | 98.4%            |
| SAU801670     | BAN106158       | 43%      | 99.4%          | 99.7%            |
| SAU801670     | BAN110595       | 57%      | 99.4%          | 99.0%            |
| SAU801670     | BPT102803       | 42%      | 98.7%          | 96.8%            |
| SAU801670     | BCE100543       | 43%      | 97.7%          | 91.0%            |
| SAU801670     | BFU106232       | 45%      | 97.7%          | 91.6%            |
| SAU801670     | BMA109200       | 42%      | 97.7%          | 92.4%            |
| SAU801670     | CJU100507       | 40%      | 97.7%          | 98.0%            |
| SAU801670     | CPN200711       | 32%      | 56.5%          | 73.5%            |
| SAU801670     | CTR200564       | 33%      | 56.2%          | 70.7%            |
| SAU801670     | CAC102785       | 36%      | 94.8%          | 99.0%            |
| SAU801670     | CBO103439       | 44%      | 80.8%          | 83.4%            |
| SAU801670     | CDF103801       | 42%      | 96.1%          | 99.0%            |
| SAU801670     | CDP100772       | 33%      | 96.8%          | 99.0%            |
| SAU801670     | EBC102514       | 45%      | 96.8%          | 93.1%            |
| SAU801670     | ECO103717       | 45%      | 96.8%          | 93.1%            |
| SAU801670     | HPY100233       | 38%      | 98.4%          | 98.7%            |
| SAU801670     | KPN308138       | 43%      | 96.8%          | 95.2%            |
| SAU801670     | LPN101369       | 41%      | 97.1%          | 93.5%            |
| SAU801670     | LMO101599       | 52%      | 98.4%          | 98.4%            |
| SAU801670     | MCA101397       | 45%      | 98.7%          | 97.2%            |
| SAU801670     | MAV106921       | 35%      | 96.1%          | 94.7%            |
| SAU801670     | MBV102364       | 35%      | 96.1%          | 96.5%            |
| SAU801670     | MLP101438       | 34%      | 96.1%          | 94.7%            |
| SAU801670     | MTU200508       | 35%      | 96.1%          | 97.4%            |
| SAU801670     | NGO101908       | 46%      | 97.4%          | 96.5%            |
| SAU801670     | NME200661       | 46%      | 97.4%          | 96.5%            |
| SAU801670     | PMU101812       | 44%      | 98.4%          | 96.8%            |
| SAU801670     | PRT102814       | 44%      | 96.1%          | 94.6%            |
| SAU801670     | PAE205255       | 45%      | 97.7%          | 96.2%            |
| SAU801670     | PPU105501       | 44%      | 98.4%          | 96.8%            |
| SAU801670     | PSY101227       | 46%      | 97.7%          | 96.2%            |
| SAU801670     | SPA101514       | 44%      | 96.8%          | 94.0%            |
| SAU801670     | STY102055       | 46%      | 96.8%          | 95.2%            |
| SAU801670     | SAU801670       | 100%     | 100%           | 100%             |
| SAU801670     | SEP201644       | 82%      | 99.4%          | 99.4%            |
| SAU801670     | SHA100588       | 84%      | 99.7%          | 99.0%            |
| SAU801670     | VCH100120       | 43%      | 98.4%          | 95.6%            |
| SAU801670     | YPS001422       | 42%      | 96.1%          | 94.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801671     | ABA100570       | 23%      | 94.5%          | 95.5%            |
| SAU801671     | BAN106101       | 27%      | 73.4%          | 77.6%            |
| SAU801671     | BAN113250       | 30%      | 95.9%          | 93.9%            |
| SAU801671     | BPT100926       | 21%      | 90.0%          | 52.5%            |
| SAU801671     | BCE109235       | 18%      | 75.3%          | 51.8%            |
| SAU801671     | BFU105613       | 18%      | 75.3%          | 50.9%            |
| SAU801671     | BMA103662       | 17%      | 92.6%          | 65.4%            |
| SAU801671     | CDP100805       | 24%      | 48.7%          | 43.5%            |
| SAU801671     | EBC102475       | 21%      | 90.4%          | 83.0%            |
| SAU801671     | ECO102558       | 22%      | 90.4%          | 83.0%            |
| SAU801671     | HIN101070       | 23%      | 63.1%          | 21.6%            |
| SAU801671     | HPY100374       | 20%      | 76.4%          | 21.3%            |
| SAU801671     | KPN301265       | 21%      | 72.0%          | 66.6%            |
| SAU801671     | MCA103521       | 23%      | 82.3%          | 84.8%            |
| SAU801671     | MAV108685       | 22%      | 82.3%          | 70.5%            |
| SAU801671     | MBV103201       | 24%      | 84.1%          | 70.7%            |
| SAU801671     | MLP101430       | 23%      | 84.1%          | 70.6%            |
| SAU801671     | MTU200526       | 24%      | 84.1%          | 70.7%            |
| SAU801671     | NGO101770       | 23%      | 56.5%          | 59.3%            |
| SAU801671     | NME202025       | 23%      | 56.5%          | 59.3%            |
| SAU801671     | PRT100857       | 20%      | 72.7%          | 66.1%            |
| SAU801671     | PAE203744       | 24%      | 82.3%          | 82.7%            |
| SAU801671     | PPU103412       | 26%      | 94.1%          | 92.2%            |
| SAU801671     | PSY103780       | 26%      | 49.1%          | 70.4%            |
| SAU801671     | SPA101534       | 20%      | 90.4%          | 83.0%            |
| SAU801671     | STY102227       | 20%      | 90.4%          | 90.9%            |
| SAU801671     | STM102478       | 20%      | 90.4%          | 90.9%            |
| SAU801671     | SAU801671       | 100%     | 100%           | 100%             |
| SAU801671     | SEP201645       | 73%      | 99.3%          | 99.6%            |
| SAU801671     | SHA100587       | 72%      | 99.3%          | 99.6%            |
| SAU801671     | SPN203453       | 20%      | 66.8%          | 62.4%            |
| SAU801671     | UUR100525       | 23%      | 69.4%          | 29.5%            |
| SAU801671     | VCH100549       | 24%      | 69.7%          | 68.9%            |
| SAU801671     | YPS003452       | 19%      | 72.0%          | 64.0%            |
| SAU801677     | SAU801677       | 100%     | 100%           | 100%             |
| SAU801677     | SEP201661       | 81%      | 100%           | 99.5%            |
| SAU801677     | SHA102781       | 72%      | 30.2%          | 98.4%            |
| SAU801678     | ABA102501       | 57%      | 99.2%          | 98.3%            |
| SAU801678     | BAN104202       | 58%      | 97.5%          | 96.6%            |
| SAU801678     | BAN110178       | 77%      | 97.5%          | 97.5%            |
| SAU801678     | BFR104064       | 55%      | 98.3%          | 100%             |
| SAU801678     | BPT100292       | 56%      | 99.2%          | 98.3%            |
| SAU801678     | BBU100187       | 50%      | 96.6%          | 99.1%            |
| SAU801678     | BCE102715       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | BFU102443       | 59%      | 99.2%          | 98.3%            |
| SAU801678     | BMA107401       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | CJU100217       | 52%      | 99.2%          | 100%             |
| SAU801678     | CPN200847       | 46%      | 100%           | 97.5%            |
| SAU801678     | CTR200218       | 48%      | 100%           | 95.9%            |
| SAU801678     | CAC101951       | 57%      | 96.6%          | 95.8%            |
| SAU801678     | CDF102735       | 55%      | 99.2%          | 99.2%            |
| SAU801678     | CDP100976       | 48%      | 99.2%          | 92.1%            |
| SAU801678     | EBC102984       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | EFA200358       | 71%      | 99.2%          | 98.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801678     | EFM201307       | 69%      | 99.2%          | 98.3%            |
| SAU801678     | ECO101684       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | HIN101286       | 62%      | 99.2%          | 100%             |
| SAU801678     | HPY100124       | 47%      | 97.5%          | 99.1%            |
| SAU801678     | KPN301692       | 60%      | 99.2%          | 99.2%            |
| SAU801678     | LPN101410       | 58%      | 99.2%          | 98.3%            |
| SAU801678     | LMO100743       | 70%      | 99.2%          | 98.3%            |
| SAU801678     | MAV106548       | 50%      | 99.2%          | 89.3%            |
| SAU801678     | MBV101274       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MLP100866       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MTU201622       | 50%      | 99.2%          | 90.7%            |
| SAU801678     | MGE100200       | 51%      | 94.9%          | 90.3%            |
| SAU801678     | MPN100037       | 56%      | 94.9%          | 88.2%            |
| SAU801678     | NGO101855       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | NME200857       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | PMU100604       | 61%      | 99.2%          | 100%             |
| SAU801678     | PRT101306       | 62%      | 99.2%          | 99.2%            |
| SAU801678     | PAE202739       | 58%      | 99.2%          | 99.2%            |
| SAU801678     | PPU111376       | 58%      | 99.2%          | 99.2%            |
| SAU801678     | PSY109131       | 57%      | 99.2%          | 99.2%            |
| SAU801678     | SPA100657       | 60%      | 97.5%          | 95.8%            |
| SAU801678     | STY101118       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | STM103448       | 61%      | 99.2%          | 99.2%            |
| SAU801678     | SAU801678       | 100%     | 100%           | 100%             |
| SAU801678     | SEP201662       | 94%      | 100%           | 100%             |
| SAU801678     | SHA100082       | 93%      | 100%           | 100%             |
| SAU801678     | SMU100912       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | SPN400863       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | SPY200598       | 63%      | 99.2%          | 98.3%            |
| SAU801678     | TPA100839       | 50%      | 89.0%          | 86.1%            |
| SAU801678     | UUR100231       | 54%      | 93.2%          | 96.7%            |
| SAU801678     | VCH103020       | 63%      | 99.2%          | 100%             |
| SAU801678     | YPS003061       | 62%      | 99.2%          | 99.2%            |
| SAU801679     | ABA102503       | 48%      | 97.0%          | 85.1%            |
| SAU801679     | BAN113355       | 72%      | 93.9%          | 93.9%            |
| SAU801679     | BAN109536       | 72%      | 93.9%          | 93.9%            |
| SAU801679     | BFR104500       | 46%      | 95.5%          | 100%             |
| SAU801679     | BPT100293       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | BBU100188       | 41%      | 93.9%          | 93.9%            |
| SAU801679     | BCE106262       | 42%      | 92.4%          | 98.4%            |
| SAU801679     | BFU102444       | 40%      | 92.4%          | 98.4%            |
| SAU801679     | BMA105698       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | CJU100216       | 40%      | 93.9%          | 96.8%            |
| SAU801679     | CPN200848       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | CTR200217       | 41%      | 93.9%          | 96.9%            |
| SAU801679     | CAC101588       | 56%      | 97.0%          | 98.5%            |
| SAU801679     | CBO102406       | 57%      | 97.0%          | 98.5%            |
| SAU801679     | CDF104095       | 60%      | 97.0%          | 100%             |
| SAU801679     | CDP100973       | 50%      | 90.9%          | 93.8%            |
| SAU801679     | EBC102982       | 53%      | 97.0%          | 98.5%            |
| SAU801679     | EFA203061       | 66%      | 100%           | 100%             |
| SAU801679     | EFM202134       | 65%      | 100%           | 100%             |
| SAU801679     | ECO101685       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | HIN101285       | 50%      | 97.0%          | 71.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801679     | HPY100123       | 43%      | 93.9%          | 95.3%            |
| SAU801679     | KPN301691       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | LPN101798       | 48%      | 92.4%          | 100%             |
| SAU801679     | LMO101064       | 66%      | 100%           | 100%             |
| SAU801679     | MAV106547       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | MBV101273       | 43%      | 93.9%          | 96.9%            |
| SAU801679     | MLP100865       | 45%      | 93.9%          | 96.9%            |
| SAU801679     | MTU201621       | 43%      | 93.9%          | 96.9%            |
| SAU801679     | MGE100199       | 57%      | 89.4%          | 100%             |
| SAU801679     | MPN100038       | 55%      | 89.4%          | 100%             |
| SAU801679     | NGO101853       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | NME200856       | 45%      | 97.0%          | 98.5%            |
| SAU801679     | PMU100603       | 50%      | 97.0%          | 98.5%            |
| SAU801679     | PRT103408       | 51%      | 97.0%          | 98.5%            |
| SAU801679     | PAE202740       | 54%      | 93.9%          | 95.3%            |
| SAU801679     | PPU103712       | 54%      | 93.9%          | 88.4%            |
| SAU801679     | PSY107471       | 51%      | 93.9%          | 95.3%            |
| SAU801679     | SPA100656       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | STY101126       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | STM103447       | 48%      | 97.0%          | 98.5%            |
| SAU801679     | SAU801679       | 100%     | 100%           | 100%             |
| SAU801679     | SEP201663       | 95%      | 100%           | 100%             |
| SAU801679     | SHA100081       | 93%      | 100%           | 100%             |
| SAU801679     | SMU100910       | 59%      | 100%           | 100%             |
| SAU801679     | SPN400862       | 59%      | 100%           | 100%             |
| SAU801679     | SPY200597       | 64%      | 93.9%          | 95.4%            |
| SAU801679     | TPA100840       | 41%      | 93.9%          | 93.9%            |
| SAU801679     | UUR100230       | 50%      | 90.9%          | 93.8%            |
| SAU801679     | VCH103019       | 43%      | 97.0%          | 98.4%            |
| SAU801679     | YPS003064       | 53%      | 97.0%          | 98.5%            |
| SAU801680     | ABA102498       | 43%      | 65.1%          | 100%             |
| SAU801680     | BAN104142       | 63%      | 100%           | 100%             |
| SAU801680     | BAN107901       | 63%      | 100%           | 87.7%            |
| SAU801680     | BFR100214       | 46%      | 96.5%          | 83.3%            |
| SAU801680     | BPT101959       | 52%      | 88.4%          | 92.7%            |
| SAU801680     | BBU100189       | 44%      | 97.7%          | 90.3%            |
| SAU801680     | BCE106172       | 46%      | 90.7%          | 100%             |
| SAU801680     | BFU107897       | 47%      | 90.7%          | 100%             |
| SAU801680     | BMA109299       | 48%      | 90.7%          | 100%             |
| SAU801680     | CJU100195       | 42%      | 97.7%          | 98.3%            |
| SAU801680     | CPN200849       | 45%      | 96.5%          | 89.2%            |
| SAU801680     | CTR200216       | 46%      | 94.2%          | 87.1%            |
| SAU801680     | CAC103337       | 52%      | 93.6%          | 92%              |
| SAU801680     | CBO100172       | 50%      | 93.6%          | 87.5%            |
| SAU801680     | CDF100791       | 52%      | 79.1%          | 96.5%            |
| SAU801680     | CDP100970       | 48%      | 82.6%          | 95.9%            |
| SAU801680     | EBC102980       | 51%      | 80.2%          | 96.5%            |
| SAU801680     | EFA200363       | 72%      | 100%           | 98.8%            |
| SAU801680     | EFM200354       | 73%      | 48.8%          | 94.4%            |
| SAU801680     | ECO101686       | 53%      | 94.2%          | 90.6%            |
| SAU801680     | HIN101284       | 50%      | 76.2%          | 97.8%            |
| SAU801680     | HPY100122       | 38%      | 100%           | 84.7%            |
| SAU801680     | KPN301690       | 52%      | 80.2%          | 96.5%            |
| SAU801680     | LMO102427       | 69%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801680     | MCA103235       | 47%      | 84.9%          | 100%             |
| SAU801680     | MAV106545       | 46%      | 78.5%          | 78.0%            |
| SAU801680     | MBV103903       | 45%      | 87.2%          | 81.5%            |
| SAU801680     | MLP100864       | 46%      | 87.2%          | 81.1%            |
| SAU801680     | MTU201620       | 45%      | 95.3%          | 81.6%            |
| SAU801680     | MGE100198       | 28%      | 92.4%          | 87.8%            |
| SAU801680     | MPN100039       | 35%      | 77.9%          | 66.7%            |
| SAU801680     | NGO101851       | 50%      | 88.4%          | 98.1%            |
| SAU801680     | NME200855       | 50%      | 95.3%          | 94.8%            |
| SAU801680     | PMU100602       | 50%      | 87.2%          | 98.1%            |
| SAU801680     | PRT100107       | 49%      | 62.8%          | 97.3%            |
| SAU801680     | PAE202741       | 48%      | 99.4%          | 93.4%            |
| SAU801680     | PPU111378       | 47%      | 99.4%          | 93.4%            |
| SAU801680     | PSY102598       | 49%      | 99.4%          | 96.6%            |
| SAU801680     | SPA100655       | 51%      | 94.2%          | 90.6%            |
| SAU801680     | STY101129       | 52%      | 94.2%          | 90.6%            |
| SAU801680     | STM103446       | 53%      | 80.2%          | 96.5%            |
| SAU801680     | SAU801680       | 100%     | 100%           | 100%             |
| SAU801680     | SEP201664       | 94%      | 100%           | 98.3%            |
| SAU801680     | SMU100907       | 59%      | 100%           | 86%              |
| SAU801680     | SPN400861       | 61%      | 100%           | 88.2%            |
| SAU801680     | SPY200596       | 59%      | 100%           | 97.7%            |
| SAU801680     | TPA100841       | 44%      | 96.5%          | 92.7%            |
| SAU801680     | UUR100229       | 40%      | 89.5%          | 86.5%            |
| SAU801680     | YPS003067       | 53%      | 94.2%          | 90.7%            |
| SAU801681     | SAU801681       | 100%     | 100%           | 100%             |
| SAU801682     | KPN101788       | 53%      | 87.9%          | 98.2%            |
| SAU801682     | SAU801682       | 100%     | 100%           | 100%             |
| SAU801682     | SEP201665       | 87%      | 93.3%          | 58.8%            |
| SAU801683     | ABA102500       | 42%      | 97.2%          | 97.0%            |
| SAU801683     | BAN108871       | 64%      | 94.6%          | 96.9%            |
| SAU801683     | BAN105353       | 70%      | 97.5%          | 98.0%            |
| SAU801683     | BFR103141       | 45%      | 79.8%          | 99.4%            |
| SAU801683     | BPT101956       | 42%      | 99.4%          | 98.6%            |
| SAU801683     | BBU100719       | 40%      | 89.5%          | 98.6%            |
| SAU801683     | BCE105528       | 43%      | 98.8%          | 99.4%            |
| SAU801683     | BFU105096       | 43%      | 98.8%          | 97.4%            |
| SAU801683     | BMA106934       | 43%      | 99.2%          | 99.8%            |
| SAU801683     | CJU100194       | 42%      | 94.9%          | 99.8%            |
| SAU801683     | CPN201046       | 40%      | 96.3%          | 96.2%            |
| SAU801683     | CTR200859       | 40%      | 97.5%          | 97.8%            |
| SAU801683     | CAC102528       | 45%      | 99.1%          | 99.2%            |
| SAU801683     | CBO100249       | 47%      | 99.1%          | 95.2%            |
| SAU801683     | CDF102396       | 47%      | 99.2%          | 93.6%            |
| SAU801683     | CDP100262       | 40%      | 88.8%          | 87.3%            |
| SAU801683     | EBC102990       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | EFA200266       | 67%      | 98.6%          | 98.9%            |
| SAU801683     | EFM200127       | 67%      | 98.8%          | 98.9%            |
| SAU801683     | ECO101687       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | HIN101333       | 41%      | 98.9%          | 98.4%            |
| SAU801683     | HPY100121       | 41%      | 90.2%          | 93.5%            |
| SAU801683     | KPN300773       | 43%      | 95.7%          | 98.4%            |
| SAU801683     | LPN100924       | 45%      | 94.9%          | 99.7%            |
| SAU801683     | LMO102823       | 72%      | 98.6%          | 99.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801683     | MCA103158       | 43%      | 99.5%          | 99.4%            |
| SAU801683     | MAV102514       | 41%      | 90.1%          | 88.2%            |
| SAU801683     | MBV100785       | 40%      | 92.1%          | 88.5%            |
| SAU801683     | MLP100282       | 39%      | 96.3%          | 91.0%            |
| SAU801683     | MTU202577       | 40%      | 92.1%          | 89.2%            |
| SAU801683     | MGE100386       | 42%      | 81.6%          | 92.7%            |
| SAU801683     | MPN100289       | 41%      | 82.3%          | 93.6%            |
| SAU801683     | NGO101849       | 44%      | 98.6%          | 97.1%            |
| SAU801683     | NME200854       | 44%      | 98.6%          | 98.7%            |
| SAU801683     | PMU100593       | 41%      | 98.9%          | 98.4%            |
| SAU801683     | PRT105628       | 42%      | 98.4%          | 98.1%            |
| SAU801683     | PAE202742       | 41%      | 97.1%          | 96.9%            |
| SAU801683     | PPU103710       | 41%      | 97.2%          | 97.0%            |
| SAU801683     | PSY102599       | 42%      | 97.1%          | 96.9%            |
| SAU801683     | SPA100654       | 41%      | 75.0%          | 96.1%            |
| SAU801683     | STY101132       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | STM103445       | 43%      | 98.4%          | 98.1%            |
| SAU801683     | SAU801683       | 100%     | 100%           | 100%             |
| SAU801683     | SEP201666       | 89%      | 100%           | 100%             |
| SAU801683     | SHA100279       | 92%      | 75.8%          | 100%             |
| SAU801683     | SMU101079       | 64%      | 99.1%          | 98.8%            |
| SAU801683     | SPN401471       | 63%      | 99.1%          | 97.1%            |
| SAU801683     | SPY200371       | 63%      | 99.1%          | 98.8%            |
| SAU801683     | TPA100828       | 41%      | 85.1%          | 92.4%            |
| SAU801683     | UUR100540       | 49%      | 88.5%          | 98.8%            |
| SAU801683     | VCH103018       | 42%      | 98.9%          | 98.8%            |
| SAU801683     | YPS003070       | 42%      | 98.4%          | 98.1%            |
| SAU801687     | ABA101897       | 42%      | 94.4%          | 97.9%            |
| SAU801687     | BAN112255       | 62%      | 98.5%          | 98.8%            |
| SAU801687     | BFR105929       | 48%      | 95.6%          | 98.8%            |
| SAU801687     | BPT100913       | 48%      | 98.2%          | 100%             |
| SAU801687     | BBU100057       | 50%      | 95.0%          | 98.8%            |
| SAU801687     | BCE100315       | 50%      | 95.3%          | 97.9%            |
| SAU801687     | BMA104624       | 49%      | 95.3%          | 97.9%            |
| SAU801687     | CBO101733       | 52%      | 97.4%          | 99.7%            |
| SAU801687     | CDF104406       | 52%      | 97.4%          | 99.7%            |
| SAU801687     | EBC101178       | 50%      | 94.1%          | 96.7%            |
| SAU801687     | ECO101747       | 47%      | 96.2%          | 99.4%            |
| SAU801687     | HIN100001       | 46%      | 96.2%          | 98.5%            |
| SAU801687     | HPY101328       | 41%      | 96.2%          | 99.1%            |
| SAU801687     | KPN301260       | 49%      | 94.1%          | 96.7%            |
| SAU801687     | LPN102268       | 52%      | 96.2%          | 99.1%            |
| SAU801687     | MCA100654       | 37%      | 95.9%          | 95.3%            |
| SAU801687     | NGO100736       | 49%      | 97.1%          | 98.3%            |
| SAU801687     | NME200057       | 48%      | 97.1%          | 98.3%            |
| SAU801687     | PRT101067       | 46%      | 96.2%          | 99.4%            |
| SAU801687     | PAE203193       | 50%      | 96.8%          | 99.1%            |
| SAU801687     | PPU103462       | 51%      | 94.7%          | 97.3%            |
| SAU801687     | PSY104227       | 51%      | 94.7%          | 97.3%            |
| SAU801687     | SPA101906       | 43%      | 97.1%          | 99.1%            |
| SAU801687     | STY101244       | 48%      | 96.2%          | 99.4%            |
| SAU801687     | SAU801687       | 100%     | 100%           | 100%             |
| SAU801687     | SEP201680       | 82%      | 99.7%          | 99.7%            |
| SAU801687     | TPA100835       | 41%      | 95.0%          | 98.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801694     | ABA105254       | 61%      | 99.3%          | 96.9%            |
| SAU801694     | BAN112004       | 77%      | 99.5%          | 97.7%            |
| SAU801694     | BFR10209        | 60%      | 99.1%          | 99.2%            |
| SAU801694     | BPT102694       | 62%      | 99.1%          | 97.1%            |
| SAU801694     | BCE100542       | 64%      | 84.6%          | 96.6%            |
| SAU801694     | BFU100077       | 62%      | 57.1%          | 96.2%            |
| SAU801694     | BMA102395       | 63%      | 99.3%          | 97.1%            |
| SAU801694     | CAC100329       | 38%      | 95.0%          | 98.2%            |
| SAU801694     | CBO103577       | 37%      | 95.0%          | 98.5%            |
| SAU801694     | CDF102339       | 38%      | 94.5%          | 98.2%            |
| SAU801694     | EBC103518       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | ECO101109       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | HPY100026       | 61%      | 99.1%          | 96.7%            |
| SAU801694     | KPN301139       | 64%      | 85.5%          | 93.0%            |
| SAU801694     | LPN103112       | 66%      | 31.5%          | 100%             |
| SAU801694     | LMO101307       | 77%      | 99.1%          | 99.5%            |
| SAU801694     | PMU101606       | 61%      | 99.1%          | 97.6%            |
| SAU801694     | PRT100717       | 50%      | 11.8%          | 100%             |
| SAU801694     | PRT100403       | 64%      | 98.8%          | 97.1%            |
| SAU801694     | PAE202621       | 62%      | 99.5%          | 97.6%            |
| SAU801694     | PPU100885       | 61%      | 98.8%          | 96.9%            |
| SAU801694     | SPA104215       | 59%      | 99.1%          | 98.1%            |
| SAU801694     | STY102941       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | STM102772       | 62%      | 99.1%          | 97.4%            |
| SAU801694     | SAU801694       | 100%     | 100%           | 100%             |
| SAU801694     | SEP201686       | 93%      | 100%           | 100%             |
| SAU801694     | SHA100973       | 92%      | 100%           | 100%             |
| SAU801694     | SMU100855       | 56%      | 99.3%          | 98.5%            |
| SAU801694     | YPS000338       | 61%      | 99.1%          | 97.4%            |
| SAU801695     | ABA106072       | 35%      | 97.9%          | 95.3%            |
| SAU801695     | BAN107073       | 56%      | 98.4%          | 98.9%            |
| SAU801695     | BFR11387        | 33%      | 99.2%          | 94.8%            |
| SAU801695     | BPT101641       | 35%      | 97.9%          | 91.8%            |
| SAU801695     | BCE115034       | 36%      | 97.9%          | 94.1%            |
| SAU801695     | BFU102001       | 35%      | 97.9%          | 94.3%            |
| SAU801695     | BFU100604       | 36%      | 98.1%          | 93.2%            |
| SAU801695     | BMA104539       | 37%      | 97.9%          | 94.1%            |
| SAU801695     | CJU101587       | 35%      | 97.6%          | 90.3%            |
| SAU801695     | CDP100042       | 36%      | 99.7%          | 91.1%            |
| SAU801695     | EBC101675       | 34%      | 96.5%          | 88.1%            |
| SAU801695     | ECO100325       | 36%      | 98.1%          | 94.6%            |
| SAU801695     | HPY100025       | 34%      | 95.2%          | 89.7%            |
| SAU801695     | KPN302561       | 34%      | 96.5%          | 88.5%            |
| SAU801695     | LPN101295       | 37%      | 99.7%          | 99.7%            |
| SAU801695     | LMO101744       | 54%      | 98.9%          | 99.2%            |
| SAU801695     | MCA103218       | 38%      | 94.1%          | 85.6%            |
| SAU801695     | MAV103161       | 38%      | 96.8%          | 96.5%            |
| SAU801695     | MBV104689       | 38%      | 97.1%          | 91.9%            |
| SAU801695     | MLP101277       | 34%      | 93.0%          | 84.2%            |
| SAU801695     | MTU201116       | 38%      | 97.1%          | 91.9%            |
| SAU801695     | NGO100564       | 37%      | 97.9%          | 95.5%            |
| SAU801695     | NME201898       | 37%      | 97.9%          | 95.6%            |
| SAU801695     | PMU100276       | 33%      | 92.8%          | 84.3%            |
| SAU801695     | PRT102070       | 33%      | 96.5%          | 88.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801695     | PAE200794       | 41%      | 98.1%          | 97.3%            |
| SAU801695     | PPU111305       | 41%      | 98.1%          | 97.3%            |
| SAU801695     | PSY105567       | 39%      | 98.1%          | 96.3%            |
| SAU801695     | SPA102598       | 34%      | 93.6%          | 95.9%            |
| SAU801695     | STY104558       | 36%      | 97.9%          | 94.3%            |
| SAU801695     | STM104272       | 35%      | 97.9%          | 94.3%            |
| SAU801695     | SAU801695       | 100%     | 100%           | 100%             |
| SAU801695     | SEP201687       | 85%      | 99.7%          | 99.7%            |
| SAU801695     | SHA100972       | 82%      | 99.7%          | 100%             |
| SAU801695     | SMU100854       | 49%      | 99.7%          | 100%             |
| SAU801695     | VCH101317       | 37%      | 98.1%          | 97.1%            |
| SAU801695     | YPS002059       | 35%      | 96.5%          | 88.3%            |
| SAU801697     | BAN102623       | 60%      | 100%           | 100%             |
| SAU801697     | BFR102996       | 41%      | 81.4%          | 96.5%            |
| SAU801697     | BPT102404       | 37%      | 80.2%          | 96.9%            |
| SAU801697     | BBU100347       | 43%      | 80.9%          | 97.9%            |
| SAU801697     | BCE107531       | 40%      | 80.9%          | 85.7%            |
| SAU801697     | BFU103511       | 40%      | 80.9%          | 75.2%            |
| SAU801697     | BMA100592       | 39%      | 80.9%          | 99.2%            |
| SAU801697     | CJU100360       | 44%      | 80.2%          | 97.5%            |
| SAU801697     | CPN200665       | 39%      | 81.7%          | 98.6%            |
| SAU801697     | CTR200601       | 42%      | 76.9%          | 93.8%            |
| SAU801697     | CAC102744       | 53%      | 80.7%          | 99.8%            |
| SAU801697     | CBO103563       | 49%      | 100%           | 100%             |
| SAU801697     | CDF101154       | 50%      | 100%           | 99.3%            |
| SAU801697     | CDP101191       | 41%      | 81.2%          | 98.9%            |
| SAU801697     | EBC101988       | 38%      | 80.7%          | 99.2%            |
| SAU801697     | EFA202113       | 60%      | 99.1%          | 99.1%            |
| SAU801697     | EFM201839       | 52%      | 99.1%          | 99.2%            |
| SAU801697     | ECO101644       | 48%      | 80.7%          | 100%             |
| SAU801697     | HIN101541       | 40%      | 77.8%          | 95.8%            |
| SAU801697     | KPN306162       | 51%      | 73.2%          | 100%             |
| SAU801697     | LPN100837       | 36%      | 76.4%          | 99.1%            |
| SAU801697     | LMO101206       | 58%      | 99.1%          | 99.1%            |
| SAU801697     | MAV106549       | 40%      | 81.0%          | 99.2%            |
| SAU801697     | MBV101766       | 38%      | 76.6%          | 99.5%            |
| SAU801697     | MLP100794       | 39%      | 81.0%          | 99.2%            |
| SAU801697     | MTU201596       | 38%      | 81.0%          | 99.2%            |
| SAU801697     | MGE100220       | 40%      | 58.3%          | 72.2%            |
| SAU801697     | MPN100533       | 41%      | 58.3%          | 72.2%            |
| SAU801697     | NGO101773       | 40%      | 79.7%          | 96.3%            |
| SAU801697     | NME200171       | 40%      | 79.7%          | 96.3%            |
| SAU801697     | PMU100653       | 39%      | 79.1%          | 97.3%            |
| SAU801697     | PRT102320       | 47%      | 80.7%          | 100%             |
| SAU801697     | PAE201497       | 37%      | 81.5%          | 99.0%            |
| SAU801697     | PPU107170       | 39%      | 80%            | 98.3%            |
| SAU801697     | PSY105033       | 39%      | 81.4%          | 99.4%            |
| SAU801697     | SPA101649       | 53%      | 45.0%          | 100%             |
| SAU801697     | STY101028       | 47%      | 80.7%          | 100%             |
| SAU801697     | STM101984       | 38%      | 80.2%          | 98.3%            |
| SAU801697     | SAU801697       | 100%     | 100%           | 100%             |
| SAU801697     | SEP201702       | 89%      | 100%           | 100%             |
| SAU801697     | SHA100298       | 88%      | 77.8%          | 100%             |
| SAU801697     | SMU101016       | 42%      | 80.5%          | 99.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801697     | SPN400797       | 42%      | 80.5%          | 99.4%            |
| SAU801697     | SPY200985       | 42%      | 80.5%          | 99.4%            |
| SAU801697     | UUR100186       | 38%      | 56.9%          | 75.3%            |
| SAU801697     | VCH100480       | 50%      | 80.7%          | 100%             |
| SAU801697     | YPS002962       | 47%      | 80.7%          | 100%             |
| SAU801698     | BAN100067       | 60%      | 100%           | 95.3%            |
| SAU801698     | BFR11519        | 47%      | 100%           | 90.9%            |
| SAU801698     | BBU100726       | 26%      | 90.6%          | 71.0%            |
| SAU801698     | CPN200599       | 24%      | 68.1%          | 41.2%            |
| SAU801698     | CTR200472       | 23%      | 64.8%          | 39.1%            |
| SAU801698     | CAC100105       | 50%      | 99.7%          | 95.0%            |
| SAU801698     | CBO101518       | 47%      | 99.7%          | 92.7%            |
| SAU801698     | CDF101157       | 57%      | 100%           | 95.3%            |
| SAU801698     | CDP100166       | 35%      | 93.8%          | 90.6%            |
| SAU801698     | EBC106796       | 50%      | 99.3%          | 94.7%            |
| SAU801698     | EFA202114       | 53%      | 99.7%          | 95%              |
| SAU801698     | EFM200509       | 54%      | 99.7%          | 95%              |
| SAU801698     | ECO103822       | 48%      | 99.3%          | 94.7%            |
| SAU801698     | HIN100963       | 47%      | 99.3%          | 94.7%            |
| SAU801698     | KPN300184       | 56%      | 7.5%           | 41.1%            |
| SAU801698     | KPN306771       | 48%      | 99.3%          | 94.7%            |
| SAU801698     | LPN100265       | 25%      | 83.1%          | 64.5%            |
| SAU801698     | LMO100385       | 59%      | 100%           | 95.3%            |
| SAU801698     | MAV101408       | 36%      | 90.6%          | 87.8%            |
| SAU801698     | MBV103661       | 37%      | 90.6%          | 87.8%            |
| SAU801698     | MLP101042       | 36%      | 90.6%          | 87.8%            |
| SAU801698     | MTU202972       | 37%      | 90.6%          | 87.8%            |
| SAU801698     | MGE100219       | 35%      | 93.8%          | 89.8%            |
| SAU801698     | MPN100534       | 38%      | 93.8%          | 88.4%            |
| SAU801698     | PMU100069       | 46%      | 99.3%          | 94.7%            |
| SAU801698     | PRT100706       | 47%      | 99.3%          | 93.8%            |
| SAU801698     | SPA101674       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | STY103207       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | STM101597       | 49%      | 99.3%          | 94.7%            |
| SAU801698     | SAU801698       | 100%     | 100%           | 100%             |
| SAU801698     | SEP201703       | 84%      | 100%           | 100%             |
| SAU801698     | SHA100297       | 81%      | 100%           | 95.3%            |
| SAU801698     | SMU101017       | 50%      | 90.9%          | 82.8%            |
| SAU801698     | SPN400796       | 56%      | 90.9%          | 83.0%            |
| SAU801698     | SPY200986       | 53%      | 90.9%          | 82.8%            |
| SAU801698     | TPA100107       | 25%      | 95.1%          | 74.2%            |
| SAU801698     | UUR100185       | 24%      | 92.5%          | 89.4%            |
| SAU801698     | VCH102652       | 50%      | 99.3%          | 91.5%            |
| SAU801698     | YPS001617       | 48%      | 99.3%          | 94.8%            |
| SAU801700     | ABA100308       | 52%      | 83.8%          | 96.0%            |
| SAU801700     | BAN105768       | 63%      | 98.4%          | 95.4%            |
| SAU801700     | BPT101398       | 52%      | 99.7%          | 97.5%            |
| SAU801700     | BCE106451       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | BFU100947       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | BMA107589       | 53%      | 99.7%          | 96.9%            |
| SAU801700     | CJU100411       | 51%      | 99.7%          | 98.4%            |
| SAU801700     | CPN200335       | 48%      | 99.4%          | 96.3%            |
| SAU801700     | CTR200529       | 48%      | 99.4%          | 96.3%            |
| SAU801700     | CAC100492       | 60%      | 84.1%          | 96.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801700     | CBO102220       | 56%      | 88.9%          | 50.3%            |
| SAU801700     | CDF101403       | 55%      | 95.5%          | 95.5%            |
| SAU801700     | EBC102554       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | EFA200247       | 53%      | 80.6%          | 96.6%            |
| SAU801700     | EFM200190       | 56%      | 80.6%          | 96.9%            |
| SAU801700     | ECO100185       | 52%      | 98.4%          | 97.8%            |
| SAU801700     | HIN100386       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | HPY100550       | 48%      | 99.7%          | 97.8%            |
| SAU801700     | KPN301921       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | LPN101352       | 52%      | 85.0%          | 98.9%            |
| SAU801700     | LMO100159       | 60%      | 99.0%          | 97.8%            |
| SAU801700     | MCA100190       | 53%      | 80.3%          | 98.4%            |
| SAU801700     | MLP101010       | 25%      | 44.9%          | 29.0%            |
| SAU801700     | NGO100369       | 50%      | 99.7%          | 98.1%            |
| SAU801700     | NME201237       | 50%      | 99.7%          | 98.1%            |
| SAU801700     | PMU100292       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | PRT100667       | 51%      | 98.4%          | 97.8%            |
| SAU801700     | PRT101241       | 51%      | 98.4%          | 97.8%            |
| SAU801700     | PAE203637       | 52%      | 98.7%          | 98.1%            |
| SAU801700     | PPU101171       | 51%      | 98.4%          | 98.1%            |
| SAU801700     | PSY108491       | 50%      | 98.4%          | 97.5%            |
| SAU801700     | SPA100816       | 47%      | 89.2%          | 99.3%            |
| SAU801700     | STY103916       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | STM103628       | 53%      | 98.4%          | 97.8%            |
| SAU801700     | SAU801700       | 100%     | 100%           | 100%             |
| SAU801700     | SEP201704       | 85%      | 100%           | 100%             |
| SAU801700     | SHA100923       | 86%      | 100%           | 99.7%            |
| SAU801700     | SMU100529       | 56%      | 79.0%          | 95.3%            |
| SAU801700     | SPN400387       | 56%      | 79.9%          | 96.9%            |
| SAU801700     | SPY201342       | 56%      | 79.0%          | 95.3%            |
| SAU801700     | VCH102210       | 52%      | 98.4%          | 97.8%            |
| SAU801700     | YPS001157       | 54%      | 98.4%          | 97.8%            |
| SAU801701     | ABA101266       | 42%      | 86.3%          | 83.2%            |
| SAU801701     | BAN103283       | 66%      | 98.6%          | 96.9%            |
| SAU801701     | BFR11219        | 27%      | 65.3%          | 34.0%            |
| SAU801701     | BFR11611        | 29%      | 76.8%          | 89.6%            |
| SAU801701     | BFR11899        | 29%      | 64.6%          | 33.9%            |
| SAU801701     | BPT100791       | 46%      | 94.0%          | 94.5%            |
| SAU801701     | BCE105100       | 57%      | 44.9%          | 94.1%            |
| SAU801701     | BFU114977       | 42%      | 91.6%          | 91.4%            |
| SAU801701     | BMA103750       | 43%      | 90.2%          | 89.7%            |
| SAU801701     | CJU100116       | 46%      | 97.2%          | 97.5%            |
| SAU801701     | CPN200705       | 46%      | 86.3%          | 80.8%            |
| SAU801701     | CTR200558       | 46%      | 86.3%          | 88.0%            |
| SAU801701     | CAC103552       | 58%      | 95.1%          | 98.2%            |
| SAU801701     | CDF101011       | 50%      | 98.9%          | 100%             |
| SAU801701     | CDP100046       | 35%      | 76.5%          | 43.1%            |
| SAU801701     | EBC101249       | 46%      | 83.9%          | 96.0%            |
| SAU801701     | EFA200246       | 53%      | 95.1%          | 96.5%            |
| SAU801701     | EFM200144       | 51%      | 95.8%          | 96.2%            |
| SAU801701     | ECO102274       | 47%      | 91.6%          | 86.8%            |
| SAU801701     | HIN101232       | 47%      | 90.5%          | 88.2%            |
| SAU801701     | HPY100934       | 47%      | 96.8%          | 95.5%            |
| SAU801701     | KPN302817       | 46%      | 91.6%          | 86.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801701     | LPN101645       | 49%      | 66.0%          | 85.8%            |
| SAU801701     | LMO101514       | 60%      | 98.2%          | 95.6%            |
| SAU801701     | MCA101005       | 47%      | 63.2%          | 95.7%            |
| SAU801701     | MAV105603       | 37%      | 76.8%          | 44.3%            |
| SAU801701     | MBV105423       | 38%      | 74.0%          | 42.2%            |
| SAU801701     | MLP100072       | 31%      | 64.9%          | 78.9%            |
| SAU801701     | MTU200895       | 38%      | 74.0%          | 42.2%            |
| SAU801701     | NGO100954       | 44%      | 90.2%          | 89.7%            |
| SAU801701     | NME200815       | 44%      | 90.5%          | 90%              |
| SAU801701     | PMU100636       | 47%      | 90.5%          | 85.9%            |
| SAU801701     | PRT103138       | 29%      | 29.5%          | 70.2%            |
| SAU801701     | PRT100424       | 46%      | 91.6%          | 82.5%            |
| SAU801701     | PAE203110       | 45%      | 90.9%          | 90.3%            |
| SAU801701     | PPU105860       | 45%      | 90.2%          | 87.5%            |
| SAU801701     | PSY101722       | 44%      | 90.2%          | 85.0%            |
| SAU801701     | SPA100127       | 43%      | 47.7%          | 61.8%            |
| SAU801701     | STY101011       | 46%      | 91.6%          | 86.8%            |
| SAU801701     | SAU801701       | 100%     | 100%           | 100%             |
| SAU801701     | SEP201705       | 90%      | 99.6%          | 99.6%            |
| SAU801701     | SHA100922       | 88%      | 100%           | 99.3%            |
| SAU801701     | SMU100531       | 50%      | 95.1%          | 96.9%            |
| SAU801701     | SPN400386       | 48%      | 95.4%          | 96.9%            |
| SAU801701     | SPY201343       | 47%      | 95.1%          | 96.9%            |
| SAU801701     | VCH100983       | 46%      | 91.6%          | 85.7%            |
| SAU801701     | YPS002401       | 46%      | 91.6%          | 86.8%            |
| SAU801703     | ABA101411       | 32%      | 91.1%          | 87.3%            |
| SAU801703     | BAN112326       | 40%      | 93.0%          | 92.9%            |
| SAU801703     | BFR102018       | 32%      | 71.5%          | 61.8%            |
| SAU801703     | BPT101552       | 31%      | 94.5%          | 93.1%            |
| SAU801703     | BBU100578       | 33%      | 98.2%          | 96.8%            |
| SAU801703     | BCE115231       | 33%      | 90.6%          | 88.1%            |
| SAU801703     | BFU107633       | 33%      | 90.6%          | 86.9%            |
| SAU801703     | BMA101634       | 33%      | 90.6%          | 88.3%            |
| SAU801703     | CJU100668       | 36%      | 8.8%           | 11.4%            |
| SAU801703     | CPN200079       | 35%      | 10.0%          | 15.6%            |
| SAU801703     | CTR200821       | 31%      | 94.2%          | 91.0%            |
| SAU801703     | CAC103161       | 35%      | 91.9%          | 91.9%            |
| SAU801703     | CBO100607       | 32%      | 99.7%          | 99.3%            |
| SAU801703     | CBO101196       | 32%      | 99.6%          | 98.7%            |
| SAU801703     | CDF101163       | 35%      | 92.4%          | 90.7%            |
| SAU801703     | CDP101233       | 36%      | 14.1%          | 16.2%            |
| SAU801703     | EBC102553       | 32%      | 93.8%          | 93.0%            |
| SAU801703     | EFA202115       | 37%      | 97.0%          | 96.8%            |
| SAU801703     | EFM200294       | 38%      | 91.1%          | 90.8%            |
| SAU801703     | ECO100184       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | HIN100720       | 32%      | 93.8%          | 92.9%            |
| SAU801703     | HPY101439       | 30%      | 93.4%          | 91.7%            |
| SAU801703     | KPN301922       | 32%      | 93.8%          | 93.0%            |
| SAU801703     | LPN102982       | 33%      | 97.5%          | 97.0%            |
| SAU801703     | LMO100629       | 40%      | 95.8%          | 97.4%            |
| SAU801703     | MCA102321       | 33%      | 83.2%          | 81.0%            |
| SAU801703     | MAV103371       | 32%      | 92.0%          | 92.1%            |
| SAU801703     | MBV102577       | 31%      | 92.0%          | 93.1%            |
| SAU801703     | MLP100747       | 32%      | 92.0%          | 92.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801703     | MTU201526       | 31%      | 92.0%          | 91.8%            |
| SAU801703     | MGE100266       | 31%      | 77.2%          | 95.5%            |
| SAU801703     | MPN100459       | 33%      | 72.3%          | 89.2%            |
| SAU801703     | NGO101860       | 31%      | 92.8%          | 92.4%            |
| SAU801703     | NME200585       | 32%      | 92.8%          | 92.4%            |
| SAU801703     | PMU100034       | 32%      | 93.8%          | 92.9%            |
| SAU801703     | PRT101242       | 33%      | 92.0%          | 92.9%            |
| SAU801703     | PAE203638       | 32%      | 90.6%          | 90.5%            |
| SAU801703     | PPU100137       | 32%      | 93.9%          | 93.4%            |
| SAU801703     | PSY104339       | 31%      | 90.6%          | 90.5%            |
| SAU801703     | SPA100912       | 31%      | 93.8%          | 93.7%            |
| SAU801703     | STY103914       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | STM103627       | 33%      | 93.8%          | 93.0%            |
| SAU801703     | SAU801703       | 100%     | 100%           | 100%             |
| SAU801703     | SEP201707       | 70%      | 100%           | 100%             |
| SAU801703     | SHA100359       | 68%      | 99.7%          | 97.1%            |
| SAU801703     | SMU101018       | 33%      | 92.8%          | 93.5%            |
| SAU801703     | SPN400795       | 34%      | 92.4%          | 92.3%            |
| SAU801703     | SPY200987       | 34%      | 92.4%          | 93.1%            |
| SAU801703     | TPA100661       | 34%      | 93.7%          | 90.8%            |
| SAU801703     | UUR100419       | 35%      | 87.5%          | 94.8%            |
| SAU801703     | VCH102211       | 31%      | 94.5%          | 93.3%            |
| SAU801703     | YPS001155       | 33%      | 92.9%          | 91.5%            |
| SAU801712     | BAN110414       | 35%      | 96.8%          | 98.8%            |
| SAU801712     | EFA202191       | 33%      | 71.4%          | 95.6%            |
| SAU801712     | EFM201485       | 35%      | 80.3%          | 76.4%            |
| SAU801712     | HIN100304       | 26%      | 31.4%          | 40.7%            |
| SAU801712     | LMO102042       | 34%      | 99.0%          | 100%             |
| SAU801712     | PMU100985       | 25%      | 31.4%          | 40.7%            |
| SAU801712     | PAE201895       | 23%      | 30.2%          | 21.1%            |
| SAU801712     | SAU801712       | 100%     | 100%           | 100%             |
| SAU801712     | SEP201729       | 83%      | 100%           | 100%             |
| SAU801712     | SHA100433       | 82%      | 100%           | 100%             |
| SAU801712     | SMU100537       | 30%      | 94.3%          | 89.3%            |
| SAU801712     | SPN401853       | 35%      | 79.0%          | 77.0%            |
| SAU801712     | SPY200081       | 33%      | 82.2%          | 80.1%            |
| SAU801719     | ABA100128       | 47%      | 100%           | 100%             |
| SAU801719     | BAN103804       | 78%      | 100%           | 100%             |
| SAU801719     | BFR10425        | 48%      | 100%           | 100%             |
| SAU801719     | BPT100895       | 43%      | 100%           | 100%             |
| SAU801719     | BBU100614       | 39%      | 100%           | 98.6%            |
| SAU801719     | BCE103241       | 44%      | 100%           | 100%             |
| SAU801719     | BFU101595       | 44%      | 100%           | 100%             |
| SAU801719     | BMA100015       | 44%      | 100%           | 100%             |
| SAU801719     | CJU101500       | 46%      | 100%           | 100%             |
| SAU801719     | CPN200012       | 40%      | 99.5%          | 98.6%            |
| SAU801719     | CTR200903       | 43%      | 99.5%          | 98.6%            |
| SAU801719     | CAC102218       | 42%      | 100%           | 100%             |
| SAU801719     | CBO101434       | 44%      | 100%           | 100%             |
| SAU801719     | CDF103315       | 49%      | 86.5%          | 90.6%            |
| SAU801719     | CDP100020       | 50%      | 100%           | 100%             |
| SAU801719     | EBC103653       | 47%      | 100%           | 100%             |
| SAU801719     | EFA202012       | 66%      | 100%           | 99.0%            |
| SAU801719     | ECO103219       | 47%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801719     | HIN100782       | 47%      | 100%           | 100%             |
| SAU801719     | HPY101276       | 47%      | 100%           | 100%             |
| SAU801719     | KPN300702       | 47%      | 100%           | 100%             |
| SAU801719     | LMO100680       | 75%      | 100%           | 100%             |
| SAU801719     | MCA100425       | 46%      | 100%           | 100%             |
| SAU801719     | MAV101010       | 48%      | 100%           | 100%             |
| SAU801719     | MBV100325       | 46%      | 100%           | 100%             |
| SAU801719     | MLP101195       | 47%      | 100%           | 100%             |
| SAU801719     | MTU203411       | 46%      | 100%           | 100%             |
| SAU801719     | MGE100317       | 42%      | 99%            | 98.0%            |
| SAU801719     | MPN100395       | 44%      | 99%            | 98.0%            |
| SAU801719     | NGO100887       | 47%      | 100%           | 100%             |
| SAU801719     | NME200098       | 47%      | 100%           | 100%             |
| SAU801719     | PMU101391       | 48%      | 100%           | 100%             |
| SAU801719     | PRT104446       | 48%      | 100%           | 100%             |
| SAU801719     | PAE204237       | 46%      | 100%           | 100%             |
| SAU801719     | PPU108168       | 47%      | 100%           | 100%             |
| SAU801719     | PSY107923       | 42%      | 100%           | 100%             |
| SAU801719     | SPA104316       | 47%      | 100%           | 100%             |
| SAU801719     | STY101827       | 47%      | 100%           | 100%             |
| SAU801719     | SAU801719       | 100%     | 100%           | 100%             |
| SAU801719     | SEP201745       | 93%      | 100%           | 100%             |
| SAU801719     | SHA100142       | 92%      | 100%           | 100%             |
| SAU801719     | SMU101344       | 66%      | 100%           | 99.0%            |
| SAU801719     | SPN400078       | 65%      | 100%           | 99.0%            |
| SAU801719     | SPY201664       | 65%      | 100%           | 99.0%            |
| SAU801719     | TPA100303       | 41%      | 94%            | 94.6%            |
| SAU801719     | UUR100503       | 48%      | 100%           | 99.0%            |
| SAU801719     | VCH102535       | 47%      | 100%           | 100%             |
| SAU801719     | YPS002492       | 45%      | 100%           | 100%             |
| SAU801722     | BFU111473       | 28%      | 73.0%          | 55.5%            |
| SAU801722     | KPN305062       | 23%      | 86.5%          | 88.8%            |
| SAU801722     | SAU801722       | 100%     | 100%           | 100%             |
| SAU801722     | SEP201747       | 65%      | 96.6%          | 97.9%            |
| SAU801722     | SHA101468       | 65%      | 90.5%          | 100%             |
| SAU801723     | ABA103811       | 23%      | 93.0%          | 91.1%            |
| SAU801723     | BAN112134       | 22%      | 77.9%          | 82.1%            |
| SAU801723     | BAN108173       | 23%      | 91.2%          | 96.4%            |
| SAU801723     | BFR11044        | 24%      | 91.2%          | 97.5%            |
| SAU801723     | BCE109919       | 27%      | 89.4%          | 96.3%            |
| SAU801723     | BFU103313       | 28%      | 86.5%          | 90.2%            |
| SAU801723     | BMA103073       | 28%      | 89.4%          | 96.3%            |
| SAU801723     | CAC101326       | 28%      | 91.9%          | 98.3%            |
| SAU801723     | CBO103823       | 29%      | 91.9%          | 98.0%            |
| SAU801723     | CDF100905       | 29%      | 91.9%          | 97.8%            |
| SAU801723     | EBC100388       | 22%      | 53.0%          | 98.0%            |
| SAU801723     | EFA202078       | 25%      | 95.8%          | 96.5%            |
| SAU801723     | EFM101508       | 25%      | 49.6%          | 96.0%            |
| SAU801723     | ECO100882       | 22%      | 50.6%          | 55.0%            |
| SAU801723     | HPY100724       | 31%      | 92.7%          | 94.0%            |
| SAU801723     | KPN302433       | 23%      | 92.7%          | 90.8%            |
| SAU801723     | MCA100242       | 26%      | 53.2%          | 56%              |
| SAU801723     | PRT102617       | 21%      | 71.4%          | 76.0%            |
| SAU801723     | PAE201309       | 23%      | 69.6%          | 71.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801723     | PPU111438       | 22%      | 93.0%          | 97.3%            |
| SAU801723     | SPA103653       | 26%      | 77.1%          | 81.2%            |
| SAU801723     | STY100702       | 24%      | 91.2%          | 96.2%            |
| SAU801723     | STM100412       | 25%      | 91.2%          | 96.2%            |
| SAU801723     | SAU801723       | 100%     | 100%           | 100%             |
| SAU801723     | SEP201749       | 75%      | 99.7%          | 100%             |
| SAU801723     | SHA100581       | 70%      | 99.2%          | 99.2%            |
| SAU801723     | SMU101221       | 20%      | 44.9%          | 52.9%            |
| SAU801723     | VCH100387       | 28%      | 87.5%          | 91.7%            |
| SAU801723     | YPS001257       | 23%      | 50.6%          | 54.8%            |
| SAU801726     | EBC101577       | 48%      | 98.8%          | 100%             |
| SAU801726     | EFA201939       | 51%      | 99.6%          | 72.6%            |
| SAU801726     | EFM200960       | 51%      | 99.6%          | 72.7%            |
| SAU801726     | KPN100130       | 42%      | 65.4%          | 98.4%            |
| SAU801726     | PMU100876       | 49%      | 99.4%          | 98.8%            |
| SAU801726     | PRT101158       | 48%      | 98.0%          | 71.2%            |
| SAU801726     | SAU801726       | 100%     | 100%           | 100%             |
| SAU801726     | SEP202071       | 77%      | 100%           | 99.8%            |
| SAU801726     | SHA100570       | 76%      | 100%           | 100%             |
| SAU801726     | YPS001239       | 48%      | 98.0%          | 71.5%            |
| SAU801727     | ABA100079       | 26%      | 70.7%          | 77.9%            |
| SAU801727     | BAN103991       | 44%      | 80%            | 83.2%            |
| SAU801727     | BAN111056       | 44%      | 96.6%          | 97.5%            |
| SAU801727     | BFR105109       | 25%      | 62.4%          | 46.1%            |
| SAU801727     | BPT101209       | 24%      | 73.7%          | 64.9%            |
| SAU801727     | BBU100037       | 24%      | 82.9%          | 72%              |
| SAU801727     | BCE112943       | 25%      | 67.8%          | 27.5%            |
| SAU801727     | BFU101555       | 27%      | 77.1%          | 64.7%            |
| SAU801727     | BMA102538       | 29%      | 78.0%          | 63.7%            |
| SAU801727     | CJU100479       | 25%      | 56.1%          | 50.9%            |
| SAU801727     | CPN200177       | 23%      | 93.2%          | 92.5%            |
| SAU801727     | CTR200728       | 24%      | 78.5%          | 78.2%            |
| SAU801727     | CAC103311       | 25%      | 96.1%          | 83.8%            |
| SAU801727     | CBO103145       | 25%      | 88.3%          | 77.5%            |
| SAU801727     | CDF100095       | 34%      | 81.0%          | 82.3%            |
| SAU801727     | CDP101961       | 30%      | 73.2%          | 24.9%            |
| SAU801727     | EBC100878       | 23%      | 81.0%          | 70.1%            |
| SAU801727     | EFA200862       | 34%      | 91.2%          | 93.8%            |
| SAU801727     | EFM200018       | 33%      | 96.6%          | 88.6%            |
| SAU801727     | ECO102952       | 23%      | 81.0%          | 69.8%            |
| SAU801727     | HIN100714       | 26%      | 83.4%          | 75%              |
| SAU801727     | HPY101330       | 32%      | 62.4%          | 54.2%            |
| SAU801727     | KPN305544       | 25%      | 55.1%          | 49.0%            |
| SAU801727     | LPN102983       | 30%      | 79.0%          | 69.5%            |
| SAU801727     | LMO100144       | 41%      | 97.1%          | 97.0%            |
| SAU801727     | MAV103253       | 25%      | 72.7%          | 60%              |
| SAU801727     | MBV105256       | 31%      | 62.4%          | 51.0%            |
| SAU801727     | MLP100059       | 25%      | 72.7%          | 59.5%            |
| SAU801727     | MTU203761       | 31%      | 62.4%          | 51.0%            |
| SAU801727     | MGE100216       | 25%      | 63.4%          | 53.0%            |
| SAU801727     | MPN100537       | 22%      | 70.2%          | 56.0%            |
| SAU801727     | NGO100013       | 30%      | 65.9%          | 55.5%            |
| SAU801727     | NME200377       | 31%      | 69.3%          | 58.3%            |
| SAU801727     | PMU102001       | 22%      | 73.2%          | 76.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801727     | PRT101005       | 25%      | 86.8%          | 75.1%            |
| SAU801727     | PAE200005       | 29%      | 59.5%          | 47.9%            |
| SAU801727     | PPU103632       | 25%      | 71.7%          | 59.4%            |
| SAU801727     | PSY103533       | 29%      | 70.2%          | 58.2%            |
| SAU801727     | SPA103206       | 25%      | 46.3%          | 95.1%            |
| SAU801727     | STY100460       | 23%      | 81.0%          | 69.8%            |
| SAU801727     | SAU801727       | 100%     | 100%           | 100%             |
| SAU801727     | SEP202072       | 80%      | 100%           | 99.0%            |
| SAU801727     | SHA100569       | 80%      | 100%           | 99.0%            |
| SAU801727     | SMU100763       | 32%      | 96.1%          | 78%              |
| SAU801727     | SPN401464       | 34%      | 95.6%          | 73.5%            |
| SAU801727     | SPY201080       | 32%      | 96.1%          | 71.7%            |
| SAU801727     | VCH101936       | 26%      | 66.8%          | 22.7%            |
| SAU801727     | YPS002560       | 28%      | 63.9%          | 62.9%            |
| SAU801729     | ABA100977       | 27%      | 94.0%          | 92.2%            |
| SAU801729     | BAN112022       | 61%      | 98.8%          | 99.5%            |
| SAU801729     | BFR102131       | 47%      | 98.1%          | 98.6%            |
| SAU801729     | BPT102833       | 27%      | 90.5%          | 86.8%            |
| SAU801729     | BBU100369       | 40%      | 98.8%          | 99.3%            |
| SAU801729     | BCE105055       | 26%      | 94.5%          | 93.2%            |
| SAU801729     | BFU103526       | 26%      | 90.5%          | 85.1%            |
| SAU801729     | BMA103960       | 27%      | 94.5%          | 81.4%            |
| SAU801729     | CJU101196       | 26%      | 94.0%          | 93.8%            |
| SAU801729     | CPN200392       | 39%      | 90.7%          | 91.7%            |
| SAU801729     | CTR200327       | 39%      | 97.4%          | 97.6%            |
| SAU801729     | CAC102127       | 43%      | 99.3%          | 99.3%            |
| SAU801729     | CBO100352       | 46%      | 98.6%          | 98.5%            |
| SAU801729     | CDF100316       | 26%      | 94.3%          | 97.7%            |
| SAU801729     | CDP101017       | 44%      | 98.8%          | 99.0%            |
| SAU801729     | EBC101794       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | EFA201026       | 58%      | 99.8%          | 100%             |
| SAU801729     | EFM101163       | 56%      | 98.1%          | 98.3%            |
| SAU801729     | ECO101607       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | HIN101577       | 28%      | 98.8%          | 96.8%            |
| SAU801729     | HPY100761       | 28%      | 94.0%          | 93.5%            |
| SAU801729     | KPN300735       | 41%      | 83.3%          | 99.2%            |
| SAU801729     | LPN101252       | 27%      | 91.2%          | 89.8%            |
| SAU801729     | LMO100615       | 59%      | 99.0%          | 99.5%            |
| SAU801729     | MCA103163       | 27%      | 96.7%          | 94.6%            |
| SAU801729     | MAV104042       | 44%      | 98.1%          | 98.1%            |
| SAU801729     | MBV103086       | 43%      | 97.4%          | 97.9%            |
| SAU801729     | MLP100838       | 44%      | 98.1%          | 98.1%            |
| SAU801729     | MTU201668       | 43%      | 98.1%          | 97.9%            |
| SAU801729     | MGE100464       | 34%      | 99.3%          | 96.1%            |
| SAU801729     | MPN100173       | 36%      | 99.3%          | 98.2%            |
| SAU801729     | NGO101762       | 48%      | 98.3%          | 98.8%            |
| SAU801729     | NME200576       | 49%      | 98.3%          | 98.8%            |
| SAU801729     | PMU100755       | 28%      | 98.8%          | 98.2%            |
| SAU801729     | PRT103206       | 48%      | 92.9%          | 98.5%            |
| SAU801729     | PAE204135       | 39%      | 97.6%          | 96.1%            |
| SAU801729     | PPU102660       | 30%      | 88.8%          | 89.0%            |
| SAU801729     | PSY103333       | 31%      | 86.2%          | 85.4%            |
| SAU801729     | SPA102382       | 48%      | 98.3%          | 99.0%            |
| SAU801729     | STY100579       | 48%      | 98.3%          | 98.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801729     | STM104067       | 48%      | 98.3%          | 98.1%            |
| SAU801729     | SAU801729       | 100%     | 100%           | 100%             |
| SAU801729     | SEP202075       | 89%      | 100%           | 99.8%            |
| SAU801729     | SHA101242       | 86%      | 100%           | 100%             |
| SAU801729     | SMU100562       | 55%      | 98.8%          | 99.5%            |
| SAU801729     | SPN401907       | 52%      | 98.8%          | 99.5%            |
| SAU801729     | SPY200069       | 55%      | 98.8%          | 99.5%            |
| SAU801729     | TPA100825       | 38%      | 97.9%          | 95.4%            |
| SAU801729     | UUR100116       | 44%      | 98.3%          | 98.1%            |
| SAU801729     | VCH100460       | 49%      | 99.0%          | 96.1%            |
| SAU801729     | YPS002930       | 48%      | 98.8%          | 98.6%            |
| SAU801731     | BAN111612       | 27%      | 13.2%          | 11.7%            |
| SAU801731     | BAN104612       | 23%      | 20.1%          | 70.9%            |
| SAU801731     | BAN104171       | 27%      | 11.2%          | 68.4%            |
| SAU801731     | BAN109296       | 23%      | 29.2%          | 47.3%            |
| SAU801731     | CAC102751       | 23%      | 22.3%          | 33.1%            |
| SAU801731     | LMO100495       | 23%      | 59.6%          | 62.7%            |
| SAU801731     | SAU801129       | 42%      | 0.7%           | 37.1%            |
| SAU801731     | SAU801731       | 100%     | 100%           | 100%             |
| SAU801731     | SMU100069       | 26%      | 10.2%          | 13.5%            |
| SAU801733     | ABA104697       | 39%      | 97.4%          | 90.0%            |
| SAU801733     | BAN107191       | 68%      | 100%           | 99.8%            |
| SAU801733     | BPT101744       | 36%      | 94.2%          | 87.1%            |
| SAU801733     | BCE108358       | 31%      | 8.1%           | 38.2%            |
| SAU801733     | BCE107626       | 38%      | 91.7%          | 81.5%            |
| SAU801733     | BFU102771       | 37%      | 94.2%          | 87.3%            |
| SAU801733     | BMA105405       | 39%      | 91.7%          | 85%              |
| SAU801733     | CJU101446       | 37%      | 95.2%          | 88.0%            |
| SAU801733     | EBC104475       | 39%      | 97.4%          | 86.1%            |
| SAU801733     | ECO103963       | 38%      | 99.3%          | 90.6%            |
| SAU801733     | HPY101028       | 37%      | 94.2%          | 86.7%            |
| SAU801733     | KPN304710       | 38%      | 99.3%          | 91.2%            |
| SAU801733     | LPN103537       | 38%      | 91.2%          | 86.4%            |
| SAU801733     | MAV102747       | 38%      | 95.4%          | 88.8%            |
| SAU801733     | MBV104988       | 38%      | 95.4%          | 89.2%            |
| SAU801733     | MTU203613       | 38%      | 95.4%          | 89.2%            |
| SAU801733     | PMU100692       | 39%      | 94.2%          | 87.1%            |
| SAU801733     | PRT105882       | 37%      | 93.7%          | 84.1%            |
| SAU801733     | PAE204729       | 40%      | 93.8%          | 87.3%            |
| SAU801733     | PPU108448       | 36%      | 95.2%          | 89.6%            |
| SAU801733     | PSY103165       | 38%      | 93.7%          | 90.2%            |
| SAU801733     | SPA101860       | 35%      | 99.3%          | 91.5%            |
| SAU801733     | STY102326       | 37%      | 99.3%          | 90.6%            |
| SAU801733     | STM104274       | 28%      | 93.8%          | 90.8%            |
| SAU801733     | SAU801733       | 100%     | 100%           | 100%             |
| SAU801733     | SHA101238       | 83%      | 100%           | 99.8%            |
| SAU801733     | VCH100294       | 37%      | 93.7%          | 84.7%            |
| SAU801733     | YPS002593       | 38%      | 98.6%          | 91.0%            |
| SAU801738     | ABA106084       | 26%      | 79.9%          | 39.5%            |
| SAU801738     | BCE103763       | 21%      | 53.5%          | 73.2%            |
| SAU801738     | BFU115601       | 24%      | 43.8%          | 28.5%            |
| SAU801738     | CJU101364       | 29%      | 42.9%          | 51.9%            |
| SAU801738     | CTR200035       | 22%      | 83.8%          | 24.6%            |
| SAU801738     | EBC102124       | 26%      | 72.6%          | 60.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801738     | ECO100722       | 28%      | 76.1%          | 60.6%            |
| SAU801738     | HPY100318       | 22%      | 88.3%          | 34.1%            |
| SAU801738     | KPN300668       | 29%      | 35.8%          | 60.4%            |
| SAU801738     | MCA101042       | 18%      | 72.1%          | 92.1%            |
| SAU801738     | MAV108037       | 27%      | 31.0%          | 47.2%            |
| SAU801738     | MAV100245       | 25%      | 41.2%          | 56.0%            |
| SAU801738     | NGO101025       | 22%      | 23.5%          | 77.5%            |
| SAU801738     | PMU100968       | 26%      | 86.1%          | 36.2%            |
| SAU801738     | PAE200970       | 23%      | 81.4%          | 47.6%            |
| SAU801738     | PPU108649       | 28%      | 88.1%          | 40.1%            |
| SAU801738     | PSY105487       | 24%      | 82.7%          | 58.0%            |
| SAU801738     | SPA100196       | 27%      | 86.3%          | 62.8%            |
| SAU801738     | STY101950       | 26%      | 87.2%          | 60.4%            |
| SAU801738     | STM101679       | 27%      | 85.2%          | 57.2%            |
| SAU801738     | SAU801738       | 100%     | 100%           | 100%             |
| SAU801738     | SEP202090       | 34%      | 94.7%          | 92.4%            |
| SAU801738     | SHA103272       | 46%      | 21.2%          | 36.5%            |
| SAU801738     | SPN400121       | 23%      | 69.9%          | 23.9%            |
| SAU801738     | SPN401992       | 21%      | 79.9%          | 61.3%            |
| SAU801738     | TPA100466       | 23%      | 26.1%          | 66.7%            |
| SAU801738     | VCH101807       | 23%      | 40.7%          | 57.3%            |
| SAU801738     | YPS002074       | 26%      | 73.9%          | 49.5%            |
| SAU801740     | ABA100629       | 33%      | 95.7%          | 92.1%            |
| SAU801740     | BAN108290       | 64%      | 98.6%          | 98.9%            |
| SAU801740     | BFR104492       | 27%      | 96.3%          | 98.7%            |
| SAU801740     | BPT102999       | 32%      | 96.1%          | 96.8%            |
| SAU801740     | BBU100816       | 32%      | 86.3%          | 85.9%            |
| SAU801740     | BCE114835       | 30%      | 95.7%          | 95.5%            |
| SAU801740     | BFU100404       | 30%      | 92.4%          | 97.1%            |
| SAU801740     | BMA107598       | 31%      | 95.7%          | 95.5%            |
| SAU801740     | CJU100982       | 29%      | 99.5%          | 99.5%            |
| SAU801740     | CTR200138       | 29%      | 97.5%          | 52.3%            |
| SAU801740     | CAC101140       | 33%      | 97.5%          | 97.2%            |
| SAU801740     | CBO102681       | 34%      | 97.7%          | 96.7%            |
| SAU801740     | CDF104436       | 33%      | 97.5%          | 99.3%            |
| SAU801740     | CDP101264       | 29%      | 98.6%          | 98.1%            |
| SAU801740     | EBC101801       | 28%      | 96.3%          | 91.9%            |
| SAU801740     | EFA202282       | 61%      | 97.0%          | 95.5%            |
| SAU801740     | EFM200546       | 60%      | 97.0%          | 95.7%            |
| SAU801740     | ECO100091       | 29%      | 96.3%          | 91.9%            |
| SAU801740     | HIN101113       | 28%      | 95.9%          | 93.5%            |
| SAU801740     | HPY100615       | 29%      | 95.2%          | 94.4%            |
| SAU801740     | KPN301848       | 29%      | 96.3%          | 91.9%            |
| SAU801740     | LPN102520       | 33%      | 95.9%          | 94.5%            |
| SAU801740     | LMO102778       | 59%      | 97.7%          | 95.5%            |
| SAU801740     | MCA100897       | 32%      | 96.6%          | 90.9%            |
| SAU801740     | MAV103971       | 30%      | 61.3%          | 86.7%            |
| SAU801740     | MBV100529       | 28%      | 98.4%          | 94.7%            |
| SAU801740     | MLP100570       | 29%      | 95.2%          | 91.9%            |
| SAU801740     | MTU202118       | 28%      | 98.4%          | 94.7%            |
| SAU801740     | NGO100584       | 31%      | 98.2%          | 97.9%            |
| SAU801740     | NME201905       | 32%      | 98.2%          | 90.7%            |
| SAU801740     | PMU100143       | 28%      | 95.9%          | 92.1%            |
| SAU801740     | PRT102633       | 29%      | 96.3%          | 92.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801740     | PAE204409       | 32%      | 96.6%          | 91.2%            |
| SAU801740     | PPU111777       | 33%      | 96.6%          | 90.9%            |
| SAU801740     | PSY103843       | 33%      | 96.6%          | 91.4%            |
| SAU801740     | SPA101847       | 27%      | 98.2%          | 96.0%            |
| SAU801740     | STY103177       | 27%      | 98.9%          | 93.9%            |
| SAU801740     | STM102889       | 27%      | 98.9%          | 93.9%            |
| SAU801740     | SAU801740       | 100%     | 100%           | 100%             |
| SAU801740     | SEP202092       | 84%      | 100%           | 100%             |
| SAU801740     | SHA100218       | 80%      | 56.3%          | 100%             |
| SAU801740     | SMU100523       | 50%      | 97.7%          | 97.1%            |
| SAU801740     | SPN401372       | 49%      | 97.0%          | 96.4%            |
| SAU801740     | SPY200251       | 50%      | 97.9%          | 97.3%            |
| SAU801740     | TPA100337       | 29%      | 85.1%          | 82.7%            |
| SAU801740     | VCH102365       | 29%      | 95.9%          | 87.7%            |
| SAU801740     | YPS001016       | 28%      | 96.3%          | 91.9%            |
| SAU801741     | ABA100229       | 33%      | 57.5%          | 81.4%            |
| SAU801741     | BAN106567       | 33%      | 99.5%          | 99.8%            |
| SAU801741     | BCE110599       | 42%      | 38.9%          | 96.3%            |
| SAU801741     | BFU105081       | 43%      | 36.7%          | 36.5%            |
| SAU801741     | BMA101290       | 45%      | 35.2%          | 86.1%            |
| SAU801741     | CJU100817       | 33%      | 65.9%          | 82.8%            |
| SAU801741     | EBC100487       | 38%      | 36.7%          | 64.3%            |
| SAU801741     | ECO100865       | 38%      | 45.9%          | 48.8%            |
| SAU801741     | HIN101559       | 45%      | 36.0%          | 92.8%            |
| SAU801741     | HPY101073       | 39%      | 41.6%          | 64.9%            |
| SAU801741     | KPN100639       | 46%      | 25.0%          | 99.4%            |
| SAU801741     | LPN100195       | 41%      | 39.5%          | 71.8%            |
| SAU801741     | LMO102204       | 45%      | 56.3%          | 96.8%            |
| SAU801741     | MCA100556       | 43%      | 35.2%          | 99.4%            |
| SAU801741     | PMU100255       | 35%      | 53.1%          | 78.2%            |
| SAU801741     | PRT100386       | 34%      | 55.6%          | 85.9%            |
| SAU801741     | SPA103466       | 44%      | 36.3%          | 97.1%            |
| SAU801741     | STY102893       | 41%      | 40.4%          | 41.3%            |
| SAU801741     | STM102713       | 38%      | 45.1%          | 45.4%            |
| SAU801741     | SAU801741       | 100%     | 100%           | 100%             |
| SAU801741     | SEP202093       | 54%      | 100%           | 100%             |
| SAU801741     | SHA101435       | 51%      | 100%           | 100%             |
| SAU801741     | VCH101873       | 40%      | 43.6%          | 66.1%            |
| SAU801742     | BAN102341       | 53%      | 99.0%          | 97.5%            |
| SAU801742     | EFA202054       | 46%      | 97.0%          | 96.1%            |
| SAU801742     | EFM200975       | 56%      | 74.2%          | 96.1%            |
| SAU801742     | LMO100772       | 53%      | 99.0%          | 97.1%            |
| SAU801742     | MGE100458       | 42%      | 63.1%          | 85.4%            |
| SAU801742     | MPN100179       | 35%      | 89.4%          | 76.1%            |
| SAU801742     | SAU801742       | 100%     | 100%           | 100%             |
| SAU801742     | SEP202095       | 76%      | 100%           | 100%             |
| SAU801742     | SHA101433       | 77%      | 100%           | 100%             |
| SAU801742     | SMU100522       | 42%      | 97.0%          | 94.2%            |
| SAU801742     | SPN401724       | 40%      | 97.0%          | 94.2%            |
| SAU801742     | SPY101819       | 41%      | 97.0%          | 94.2%            |
| SAU801742     | UUR100192       | 30%      | 99.0%          | 96.4%            |
| SAU801749     | BAN106147       | 46%      | 98.5%          | 97.7%            |
| SAU801749     | BFU115607       | 25%      | 21.3%          | 15.8%            |
| SAU801749     | BMA109525       | 38%      | 20.5%          | 15.6%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801749     | CBO101598       | 22%      | 43.0%          | 38.3%            |
| SAU801749     | EFA201131       | 40%      | 89.0%          | 90.7%            |
| SAU801749     | EFM202567       | 39%      | 95.1%          | 96.2%            |
| SAU801749     | HIN101506       | 28%      | 33.1%          | 35.2%            |
| SAU801749     | LPN101017       | 18%      | 45.2%          | 40.3%            |
| SAU801749     | LMO101148       | 44%      | 87.5%          | 88.5%            |
| SAU801749     | MAV102537       | 26%      | 34.6%          | 24.1%            |
| SAU801749     | MGE100366       | 18%      | 68.4%          | 57.5%            |
| SAU801749     | PPU110551       | 23%      | 45.2%          | 36.9%            |
| SAU801749     | PSY102492       | 30%      | 22.4%          | 17.2%            |
| SAU801749     | SAU801749       | 100%     | 100%           | 100%             |
| SAU801749     | SEP202110       | 89%      | 100%           | 100%             |
| SAU801749     | SHA101330       | 89%      | 100%           | 100%             |
| SAU801749     | SMU100768       | 30%      | 90.5%          | 91.9%            |
| SAU801749     | SPN400475       | 30%      | 90.5%          | 90.5%            |
| SAU801749     | SPY201327       | 31%      | 82.1%          | 82.5%            |
| SAU801749     | YPS003183       | 19%      | 77.9%          | 74.3%            |
| SAU801751     | BAN104199       | 42%      | 98.9%          | 99.1%            |
| SAU801751     | BFR100617       | 37%      | 14.9%          | 16.1%            |
| SAU801751     | CAC102647       | 36%      | 98.5%          | 98.5%            |
| SAU801751     | CBO100026       | 35%      | 98.1%          | 98.3%            |
| SAU801751     | CDF102762       | 35%      | 98.7%          | 97.1%            |
| SAU801751     | EFA201202       | 40%      | 98.9%          | 98.7%            |
| SAU801751     | EFM200248       | 36%      | 65.5%          | 98.4%            |
| SAU801751     | LMO100797       | 44%      | 98.9%          | 98.5%            |
| SAU801751     | PPU110017       | 24%      | 89.3%          | 76.0%            |
| SAU801751     | PSY104220       | 24%      | 96.6%          | 73.9%            |
| SAU801751     | SAU801751       | 100%     | 100%           | 100%             |
| SAU801751     | SEP202112       | 82%      | 100%           | 100%             |
| SAU801751     | SHA101328       | 82%      | 99.8%          | 99.8%            |
| SAU801751     | SMU100171       | 38%      | 98.9%          | 98.7%            |
| SAU801751     | SPN400547       | 39%      | 98.3%          | 97.9%            |
| SAU801751     | SPY200812       | 38%      | 98.9%          | 98.5%            |
| SAU801753     | ABA100431       | 35%      | 97.0%          | 96.6%            |
| SAU801753     | BAN104776       | 48%      | 98.7%          | 96.3%            |
| SAU801753     | BBU100128       | 28%      | 98.3%          | 92.4%            |
| SAU801753     | BCE110410       | 32%      | 98.7%          | 97.1%            |
| SAU801753     | BFU113278       | 33%      | 98.7%          | 89.3%            |
| SAU801753     | BMA108257       | 34%      | 98.7%          | 96.2%            |
| SAU801753     | CPN200986       | 36%      | 96.1%          | 94.0%            |
| SAU801753     | CTR200096       | 34%      | 97.8%          | 93.8%            |
| SAU801753     | CAC103133       | 48%      | 99.6%          | 97.5%            |
| SAU801753     | CBO100292       | 46%      | 98.3%          | 97.9%            |
| SAU801753     | CDF102819       | 48%      | 96.5%          | 95%              |
| SAU801753     | EBC102915       | 36%      | 97.0%          | 96.2%            |
| SAU801753     | EFA201204       | 47%      | 100%           | 98.0%            |
| SAU801753     | EFM200797       | 46%      | 100%           | 100%             |
| SAU801753     | ECO102142       | 37%      | 97.0%          | 97.8%            |
| SAU801753     | HIN101215       | 40%      | 98.7%          | 99.1%            |
| SAU801753     | KPN301779       | 37%      | 96.1%          | 93.7%            |
| SAU801753     | LMO101945       | 50%      | 100%           | 100%             |
| SAU801753     | MCA103178       | 35%      | 98.3%          | 99.6%            |
| SAU801753     | NGO100244       | 36%      | 95.2%          | 97.8%            |
| SAU801753     | NME201373       | 36%      | 95.2%          | 97.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801753     | PMU100003       | 38%      | 99.1%          | 99.6%            |
| SAU801753     | PRT101140       | 39%      | 99.1%          | 98.7%            |
| SAU801753     | PAE200732       | 35%      | 97.0%          | 98.3%            |
| SAU801753     | PPU103373       | 36%      | 97.0%          | 98.3%            |
| SAU801753     | PSY102334       | 36%      | 95.2%          | 96.5%            |
| SAU801753     | SPA100233       | 38%      | 97.0%          | 97.8%            |
| SAU801753     | STY104331       | 38%      | 97.0%          | 97.8%            |
| SAU801753     | SAU801753       | 100%     | 100%           | 100%             |
| SAU801753     | SEP202114       | 72%      | 98.7%          | 99.1%            |
| SAU801753     | SHA101326       | 70%      | 99.6%          | 100%             |
| SAU801753     | SMU100796       | 39%      | 99.6%          | 99.2%            |
| SAU801753     | SPN400256       | 46%      | 98.7%          | 97.9%            |
| SAU801753     | SPY201026       | 45%      | 98.7%          | 96.3%            |
| SAU801753     | VCH101608       | 40%      | 97.0%          | 97.4%            |
| SAU801753     | YPS000335       | 40%      | 97.0%          | 96.2%            |
| SAU801754     | ABA105833       | 19%      | 93.3%          | 96.1%            |
| SAU801754     | BAN113336       | 39%      | 76.7%          | 98.3%            |
| SAU801754     | BAN106207       | 39%      | 82.8%          | 97.6%            |
| SAU801754     | BAN104835       | 37%      | 99.3%          | 97.6%            |
| SAU801754     | BCE109401       | 18%      | 72.7%          | 70.2%            |
| SAU801754     | BFU100360       | 18%      | 72.7%          | 70.2%            |
| SAU801754     | BMA106132       | 17%      | 64.2%          | 51.7%            |
| SAU801754     | CAC101941       | 26%      | 94.4%          | 95.3%            |
| SAU801754     | CBO100125       | 25%      | 95.3%          | 97.3%            |
| SAU801754     | CDF100053       | 35%      | 13.4%          | 62.4%            |
| SAU801754     | CDF102528       | 25%      | 98.7%          | 96.3%            |
| SAU801754     | EBC101202       | 21%      | 38.9%          | 41.9%            |
| SAU801754     | EFA201206       | 28%      | 99.1%          | 97.1%            |
| SAU801754     | EFM200105       | 28%      | 99.5%          | 97.6%            |
| SAU801754     | ECO101042       | 20%      | 33.3%          | 35.6%            |
| SAU801754     | KPN302527       | 19%      | 38.9%          | 40.8%            |
| SAU801754     | LPN101130       | 18%      | 96.4%          | 95.3%            |
| SAU801754     | LMO100220       | 38%      | 99.3%          | 99.8%            |
| SAU801754     | MCA103523       | 18%      | 96.0%          | 98.1%            |
| SAU801754     | MAV108372       | 19%      | 30.7%          | 54.9%            |
| SAU801754     | NGO101881       | 17%      | 78.5%          | 77.9%            |
| SAU801754     | NME202045       | 18%      | 78.5%          | 77.9%            |
| SAU801754     | PMU101660       | 19%      | 84.8%          | 88.8%            |
| SAU801754     | PRT101541       | 21%      | 40.5%          | 43.8%            |
| SAU801754     | PAE204560       | 21%      | 40.5%          | 43.8%            |
| SAU801754     | PPU112503       | 19%      | 36.9%          | 38.9%            |
| SAU801754     | PSY102688       | 19%      | 36.9%          | 40.4%            |
| SAU801754     | SPA100422       | 21%      | 40.7%          | 41.9%            |
| SAU801754     | STY102506       | 20%      | 38.9%          | 43.1%            |
| SAU801754     | STM102672       | 20%      | 38.9%          | 40.8%            |
| SAU801754     | SAU801754       | 100%     | 100%           | 100%             |
| SAU801754     | SEP202115       | 83%      | 100%           | 100%             |
| SAU801754     | SHA101325       | 71%      | 100%           | 100%             |
| SAU801754     | SMU100383       | 26%      | 99.3%          | 98.2%            |
| SAU801754     | SPN401382       | 27%      | 99.1%          | 98.3%            |
| SAU801754     | SPY200284       | 27%      | 99.3%          | 98.2%            |
| SAU801754     | TPA100512       | 19%      | 66.5%          | 65.2%            |
| SAU801754     | VCH100667       | 18%      | 80.8%          | 81.0%            |
| SAU801755     | ABA103848       | 35%      | 79.3%          | 60.4%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801755     | BAN100407       | 63%      | 92.0%          | 68.6%            |
| SAU801755     | BPT101495       | 29%      | 80.6%          | 61.8%            |
| SAU801755     | BCE105916       | 29%      | 80.3%          | 61.1%            |
| SAU801755     | BFU102587       | 30%      | 80.3%          | 61.0%            |
| SAU801755     | BMA109065       | 28%      | 87.6%          | 65.8%            |
| SAU801755     | CAC101518       | 41%      | 86.6%          | 66.9%            |
| SAU801755     | CBO101797       | 38%      | 93.9%          | 70.3%            |
| SAU801755     | CDF102335       | 40%      | 90.8%          | 68.6%            |
| SAU801755     | EBC103756       | 30%      | 93.0%          | 89.7%            |
| SAU801755     | EFA202331       | 52%      | 89.2%          | 72.4%            |
| SAU801755     | EFM200487       | 46%      | 94.3%          | 70.7%            |
| SAU801755     | ECO103415       | 31%      | 93.0%          | 70%              |
| SAU801755     | HIN100912       | 30%      | 88.5%          | 65.8%            |
| SAU801755     | KPN306630       | 29%      | 93.0%          | 70.5%            |
| SAU801755     | LPN102418       | 32%      | 79.3%          | 82.5%            |
| SAU801755     | LMO100816       | 55%      | 94.6%          | 70.8%            |
| SAU801755     | MCA101549       | 35%      | 79.0%          | 60.1%            |
| SAU801755     | PMU100031       | 32%      | 79.3%          | 60.9%            |
| SAU801755     | PRT104499       | 30%      | 93.9%          | 70.6%            |
| SAU801755     | PAE200558       | 30%      | 79.3%          | 61.0%            |
| SAU801755     | PPU109267       | 35%      | 79.3%          | 61.1%            |
| SAU801755     | PSY103648       | 34%      | 79.3%          | 57.2%            |
| SAU801755     | SPA101798       | 30%      | 93.0%          | 70.4%            |
| SAU801755     | STY100869       | 30%      | 93.0%          | 70%              |
| SAU801755     | SAU801755       | 100%     | 100%           | 100%             |
| SAU801755     | SEP202116       | 75%      | 96.5%          | 70.8%            |
| SAU801755     | SHA101324       | 79%      | 95.5%          | 71.4%            |
| SAU801755     | SMU100726       | 40%      | 94.6%          | 71.5%            |
| SAU801755     | SPN400651       | 43%      | 89.2%          | 66.0%            |
| SAU801755     | SPY201435       | 43%      | 94.6%          | 71.7%            |
| SAU801755     | VCH100080       | 32%      | 93.0%          | 70.4%            |
| SAU801755     | YPS002475       | 31%      | 93.9%          | 71.1%            |
| SAU801758     | BPT101066       | 20%      | 20.8%          | 79.8%            |
| SAU801758     | MPN100367       | 18%      | 43.7%          | 86.2%            |
| SAU801758     | PMU101507       | 23%      | 15.8%          | 73.6%            |
| SAU801758     | SAU801758       | 100%     | 100%           | 100%             |
| SAU801758     | SEP202646       | 35%      | 99.6%          | 29.7%            |
| SAU801758     | SHA100633       | 28%      | 73.7%          | 83.4%            |
| SAU801758     | SHA100651       | 33%      | 12.8%          | 80.4%            |
| SAU801758     | SHA101983       | 28%      | 99.9%          | 40.6%            |
| SAU801758     | SHA101424       | 30%      | 82.9%          | 58.1%            |
| SAU801760     | ABA105508       | 41%      | 99.5%          | 98.9%            |
| SAU801760     | BAN102826       | 74%      | 99.9%          | 99.9%            |
| SAU801760     | BFR10298        | 45%      | 99.8%          | 99.9%            |
| SAU801760     | BPT102350       | 38%      | 99.5%          | 99.4%            |
| SAU801760     | BBU100250       | 52%      | 99.8%          | 99.6%            |
| SAU801760     | BCE103321       | 39%      | 98.9%          | 98.8%            |
| SAU801760     | BMA109061       | 39%      | 98.9%          | 93.5%            |
| SAU801760     | CJU101017       | 40%      | 100%           | 100%             |
| SAU801760     | CPN200606       | 50%      | 99.8%          | 99.9%            |
| SAU801760     | CTR200474       | 52%      | 99.8%          | 99.9%            |
| SAU801760     | CAC101070       | 48%      | 100%           | 100%             |
| SAU801760     | CBO100961       | 48%      | 99.9%          | 99.8%            |
| SAU801760     | CDF103555       | 48%      | 99.8%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801760     | CDP101454       | 45%      | 99.3%          | 97.2%            |
| SAU801760     | EBC100539       | 37%      | 53.0%          | 99.6%            |
| SAU801760     | EFA200538       | 72%      | 99.9%          | 99.9%            |
| SAU801760     | EFM200610       | 72%      | 99.9%          | 99.9%            |
| SAU801760     | ECO100632       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | HIN100900       | 43%      | 99.8%          | 99.4%            |
| SAU801760     | HPY101524       | 40%      | 98.9%          | 99.1%            |
| SAU801760     | KPN300581       | 40%      | 13.9%          | 68.9%            |
| SAU801760     | KPN302684       | 42%      | 99.5%          | 99.5%            |
| SAU801760     | LPN103327       | 43%      | 99.5%          | 99.3%            |
| SAU801760     | LMO100611       | 69%      | 99.9%          | 99.9%            |
| SAU801760     | MCA102972       | 39%      | 99.6%          | 98.7%            |
| SAU801760     | MAV103767       | 44%      | 99.0%          | 94.3%            |
| SAU801760     | MBV104696       | 43%      | 99.0%          | 96.3%            |
| SAU801760     | MLP100028       | 43%      | 99.0%          | 96.5%            |
| SAU801760     | MTU200041       | 43%      | 99.0%          | 96.5%            |
| SAU801760     | MGE100272       | 44%      | 99.8%          | 99.7%            |
| SAU801760     | MPN100453       | 44%      | 99.8%          | 99.6%            |
| SAU801760     | NGO100059       | 41%      | 99.6%          | 99.3%            |
| SAU801760     | NME200518       | 39%      | 99.5%          | 99.5%            |
| SAU801760     | PMU101214       | 42%      | 99.8%          | 99.5%            |
| SAU801760     | PRT102887       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | PAE203984       | 40%      | 99.6%          | 99.4%            |
| SAU801760     | PPU108817       | 41%      | 99.6%          | 99.4%            |
| SAU801760     | PSY105072       | 42%      | 99.6%          | 99.4%            |
| SAU801760     | SPA100430       | 46%      | 62.3%          | 97.8%            |
| SAU801760     | STY101466       | 42%      | 99.5%          | 99.3%            |
| SAU801760     | SAU801760       | 100%     | 100%           | 100%             |
| SAU801760     | SEP202121       | 87%      | 100%           | 100%             |
| SAU801760     | SHA100631       | 86%      | 100%           | 100%             |
| SAU801760     | SMU100492       | 65%      | 99.8%          | 99.6%            |
| SAU801760     | SPN400235       | 66%      | 99.8%          | 99.6%            |
| SAU801760     | SPY200128       | 65%      | 99.8%          | 99.6%            |
| SAU801760     | TPA100579       | 47%      | 99.8%          | 99.9%            |
| SAU801760     | UUR100373       | 53%      | 99.5%          | 99.8%            |
| SAU801760     | VCH100940       | 43%      | 99.6%          | 95.4%            |
| SAU801760     | YPS001199       | 41%      | 99.5%          | 99.3%            |
| SAU801769     | ABA104921       | 34%      | 93.6%          | 97.9%            |
| SAU801769     | BAN106809       | 47%      | 99.5%          | 99.2%            |
| SAU801769     | BAN107259       | 53%      | 99.5%          | 99.2%            |
| SAU801769     | BFR101499       | 44%      | 100%           | 98.3%            |
| SAU801769     | BPT100010       | 33%      | 91.6%          | 81.4%            |
| SAU801769     | BCE107847       | 38%      | 71.8%          | 76.5%            |
| SAU801769     | BCE114560       | 36%      | 89.6%          | 91.8%            |
| SAU801769     | BFU105494       | 36%      | 89.6%          | 92.3%            |
| SAU801769     | BMA104123       | 35%      | 89.6%          | 66.6%            |
| SAU801769     | CJU100533       | 36%      | 92.6%          | 98.2%            |
| SAU801769     | CPN200978       | 41%      | 99.0%          | 94.3%            |
| SAU801769     | CTR200104       | 44%      | 98.5%          | 92.5%            |
| SAU801769     | CAC101077       | 50%      | 99.7%          | 98.8%            |
| SAU801769     | CBO102459       | 53%      | 99.7%          | 98.5%            |
| SAU801769     | CDF101260       | 56%      | 99.5%          | 96.3%            |
| SAU801769     | CDP100293       | 42%      | 98.7%          | 90.4%            |
| SAU801769     | EBC103923       | 44%      | 50.1%          | 91.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801769     | ECO102975       | 44%      | 50.9%          | 92.6%            |
| SAU801769     | HIN100202       | 44%      | 48.3%          | 86.6%            |
| SAU801769     | HPY100791       | 35%      | 94.1%          | 100%             |
| SAU801769     | KPN306827       | 43%      | 50.9%          | 92.6%            |
| SAU801769     | LPN102962       | 45%      | 72.0%          | 97.3%            |
| SAU801769     | MCA101128       | 33%      | 93.9%          | 99.7%            |
| SAU801769     | MAV100813       | 46%      | 99.2%          | 91.6%            |
| SAU801769     | MBV102147       | 45%      | 99.2%          | 94.4%            |
| SAU801769     | MLP100345       | 45%      | 99.2%          | 92.2%            |
| SAU801769     | MTU201396       | 45%      | 99.2%          | 94.4%            |
| SAU801769     | NGO101214       | 35%      | 91.3%          | 78.4%            |
| SAU801769     | NME201304       | 36%      | 91.3%          | 96.1%            |
| SAU801769     | PMU101385       | 43%      | 49.6%          | 91.6%            |
| SAU801769     | PRT102178       | 44%      | 50.6%          | 92.2%            |
| SAU801769     | PAE204051       | 34%      | 93.1%          | 98.6%            |
| SAU801769     | PPU110431       | 35%      | 93.6%          | 97.9%            |
| SAU801769     | PSY102199       | 35%      | 93.6%          | 99.2%            |
| SAU801769     | SPA102485       | 43%      | 50.6%          | 91.7%            |
| SAU801769     | STY100768       | 43%      | 50.9%          | 92.6%            |
| SAU801769     | STM101319       | 48%      | 47.1%          | 95.9%            |
| SAU801769     | SAU801769       | 100%     | 100%           | 100%             |
| SAU801769     | SEP202140       | 75%      | 100%           | 100%             |
| SAU801769     | SHA101040       | 73%      | 100%           | 100%             |
| SAU801769     | SPN400162       | 49%      | 100%           | 98.8%            |
| SAU801769     | VCH102235       | 39%      | 90.6%          | 96.2%            |
| SAU801769     | YPS001985       | 45%      | 49.4%          | 89.9%            |
| SAU801770     | ABA101512       | 38%      | 93.8%          | 90.0%            |
| SAU801770     | BAN111761       | 44%      | 90.5%          | 91.4%            |
| SAU801770     | BAN112258       | 46%      | 92.9%          | 91.1%            |
| SAU801770     | BFR10686        | 33%      | 91.9%          | 98.5%            |
| SAU801770     | BPT102166       | 33%      | 87.1%          | 80.3%            |
| SAU801770     | BCE102163       | 39%      | 92.4%          | 96.2%            |
| SAU801770     | BFU114695       | 39%      | 93.8%          | 100%             |
| SAU801770     | BMA105732       | 35%      | 93.8%          | 100%             |
| SAU801770     | CJU101143       | 30%      | 100%           | 99.0%            |
| SAU801770     | CPN200217       | 30%      | 89.0%          | 92%              |
| SAU801770     | CTR200675       | 31%      | 89.0%          | 91.9%            |
| SAU801770     | CAC101867       | 40%      | 92.4%          | 90.1%            |
| SAU801770     | CBO100822       | 37%      | 100%           | 94.3%            |
| SAU801770     | CDF101262       | 40%      | 95.7%          | 91.0%            |
| SAU801770     | CDP100296       | 38%      | 91.9%          | 98.0%            |
| SAU801770     | EBC101113       | 34%      | 88.6%          | 42.1%            |
| SAU801770     | ECO101632       | 35%      | 88.6%          | 42.3%            |
| SAU801770     | HIN101580       | 33%      | 91.9%          | 97.5%            |
| SAU801770     | HPY101551       | 37%      | 93.8%          | 91.3%            |
| SAU801770     | KPN300802       | 34%      | 88.6%          | 63.8%            |
| SAU801770     | LPN103102       | 36%      | 91.9%          | 94.1%            |
| SAU801770     | MCA101660       | 35%      | 100%           | 99.1%            |
| SAU801770     | MAV100811       | 39%      | 92.9%          | 100%             |
| SAU801770     | MBV102153       | 41%      | 91.9%          | 98.0%            |
| SAU801770     | MLP100344       | 40%      | 91.9%          | 95.2%            |
| SAU801770     | MTU201393       | 41%      | 91.9%          | 98.0%            |
| SAU801770     | NGO100198       | 29%      | 87.1%          | 71.4%            |
| SAU801770     | NME201294       | 29%      | 87.1%          | 84.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801770     | PMU100650       | 31%      | 87.1%          | 90.7%            |
| SAU801770     | PRT102318       | 37%      | 87.1%          | 84.9%            |
| SAU801770     | PAE204052       | 37%      | 93.8%          | 90.4%            |
| SAU801770     | PPU104479       | 36%      | 93.8%          | 89.6%            |
| SAU801770     | PSY102201       | 37%      | 93.8%          | 90%              |
| SAU801770     | SPA100334       | 33%      | 39.5%          | 75%              |
| SAU801770     | STY100625       | 32%      | 88.6%          | 42.3%            |
| SAU801770     | STM104015       | 32%      | 88.6%          | 42.3%            |
| SAU801770     | SAU801770       | 100%     | 100%           | 100%             |
| SAU801770     | SEP202141       | 77%      | 100%           | 100%             |
| SAU801770     | SHA101041       | 68%      | 100%           | 100%             |
| SAU801770     | SPN400163       | 46%      | 100%           | 100%             |
| SAU801770     | VCH102236       | 38%      | 94.3%          | 91.7%            |
| SAU801770     | YPS002958       | 34%      | 88.6%          | 41.3%            |
| SAU801771     | ABA103798       | 36%      | 98.0%          | 98.0%            |
| SAU801771     | BAN112131       | 35%      | 98.0%          | 97.0%            |
| SAU801771     | BAN106315       | 40%      | 98.0%          | 94.9%            |
| SAU801771     | BFR10090        | 31%      | 87.3%          | 89.3%            |
| SAU801771     | BPT102814       | 33%      | 97.4%          | 90.9%            |
| SAU801771     | BCE111009       | 34%      | 89.0%          | 89.3%            |
| SAU801771     | BFU111851       | 34%      | 97.4%          | 87.1%            |
| SAU801771     | BMA106009       | 33%      | 89.0%          | 85.5%            |
| SAU801771     | CJU101528       | 27%      | 68.9%          | 77.4%            |
| SAU801771     | CPN200979       | 31%      | 97.7%          | 93.6%            |
| SAU801771     | CTR200103       | 29%      | 97.4%          | 88.4%            |
| SAU801771     | CAC102186       | 31%      | 94.2%          | 90.9%            |
| SAU801771     | CBO103939       | 32%      | 97.1%          | 93.1%            |
| SAU801771     | CDF101264       | 30%      | 97.1%          | 94.6%            |
| SAU801771     | CDP100306       | 32%      | 85.9%          | 78.1%            |
| SAU801771     | EBC101279       | 34%      | 87.3%          | 87.7%            |
| SAU801771     | EFM102196       | 24%      | 37.8%          | 100%             |
| SAU801771     | ECO100406       | 36%      | 87.3%          | 87.7%            |
| SAU801771     | HIN100923       | 34%      | 99.1%          | 96.8%            |
| SAU801771     | HPY101484       | 24%      | 56.2%          | 65.4%            |
| SAU801771     | KPN303443       | 35%      | 87.9%          | 88.3%            |
| SAU801771     | LPN101462       | 28%      | 91.9%          | 91.3%            |
| SAU801771     | MCA103171       | 30%      | 98.6%          | 95.7%            |
| SAU801771     | MAV100828       | 33%      | 87.3%          | 84.8%            |
| SAU801771     | MBV102159       | 35%      | 88.5%          | 86.4%            |
| SAU801771     | MLP100341       | 33%      | 87.3%          | 85.3%            |
| SAU801771     | MTU201390       | 34%      | 88.5%          | 86.4%            |
| SAU801771     | NGO101603       | 34%      | 98.6%          | 96.2%            |
| SAU801771     | NME200596       | 33%      | 98.6%          | 96.2%            |
| SAU801771     | PMU100749       | 36%      | 87.3%          | 85.4%            |
| SAU801771     | PRT100794       | 48%      | 33.1%          | 76.5%            |
| SAU801771     | PAE204053       | 35%      | 87.9%          | 87.1%            |
| SAU801771     | PPU104478       | 33%      | 87.9%          | 85.4%            |
| SAU801771     | PSY102203       | 35%      | 87.9%          | 86.0%            |
| SAU801771     | SPA103220       | 32%      | 87.3%          | 87.7%            |
| SAU801771     | STY100425       | 33%      | 87.3%          | 87.7%            |
| SAU801771     | STM100096       | 33%      | 87.3%          | 87.7%            |
| SAU801771     | SAU801771       | 100%     | 100%           | 100%             |
| SAU801771     | SEP202142       | 65%      | 100%           | 100%             |
| SAU801771     | SHA101042       | 62%      | 100%           | 100%             |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801771     | SPN400164       | 34%      | 89.3%          | 88.0%            |
| SAU801771     | VCH102237       | 33%      | 99.4%          | 96.7%            |
| SAU801771     | YPS002513       | 34%      | 99.1%          | 98.1%            |
| SAU801781     | BAN102026       | 30%      | 83.5%          | 90.4%            |
| SAU801781     | BAN100029       | 32%      | 83.5%          | 87.9%            |
| SAU801781     | BFR102578       | 30%      | 84.0%          | 89.0%            |
| SAU801781     | BCE112831       | 23%      | 91.1%          | 72.6%            |
| SAU801781     | CAC102703       | 34%      | 84.8%          | 89.3%            |
| SAU801781     | CBO102369       | 59%      | 98.7%          | 96.7%            |
| SAU801781     | CDF102721       | 32%      | 96.2%          | 98.6%            |
| SAU801781     | CDP100260       | 26%      | 48.5%          | 41.4%            |
| SAU801781     | EBC104147       | 23%      | 84.8%          | 88.2%            |
| SAU801781     | EFA200734       | 28%      | 83.5%          | 85.3%            |
| SAU801781     | EFM202614       | 23%      | 94.1%          | 91.3%            |
| SAU801781     | ECO103852       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | KPN303236       | 26%      | 84.8%          | 88.2%            |
| SAU801781     | LMO102295       | 33%      | 94.1%          | 95.4%            |
| SAU801781     | PRT102648       | 24%      | 84.8%          | 88.2%            |
| SAU801781     | SPA101828       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | STY102761       | 25%      | 84.8%          | 88.2%            |
| SAU801781     | STM100053       | 27%      | 60.3%          | 53.9%            |
| SAU801781     | SAU801781       | 100%     | 100%           | 100%             |
| SAU801781     | SEP202149       | 88%      | 100%           | 100%             |
| SAU801781     | SHA101204       | 94%      | 100%           | 100%             |
| SAU801781     | SMU101539       | 26%      | 87.8%          | 91.0%            |
| SAU801781     | SPN400233       | 24%      | 83.1%          | 86.5%            |
| SAU801781     | SPY201499       | 53%      | 99.2%          | 96.3%            |
| SAU801781     | YPS000933       | 28%      | 84.4%          | 87.3%            |
| SAU801788     | BAN109240       | 49%      | 97.1%          | 96.4%            |
| SAU801788     | BAN109986       | 53%      | 97.5%          | 96.1%            |
| SAU801788     | BAN101451       | 53%      | 97.5%          | 96.1%            |
| SAU801788     | BAN108570       | 55%      | 97.1%          | 95.7%            |
| SAU801788     | BPT100139       | 47%      | 97.5%          | 86.9%            |
| SAU801788     | BFU106841       | 30%      | 91.3%          | 90.7%            |
| SAU801788     | BMA101899       | 29%      | 93.9%          | 93.2%            |
| SAU801788     | CBO103560       | 46%      | 95.7%          | 86%              |
| SAU801788     | CDP100048       | 39%      | 98.6%          | 94.1%            |
| SAU801788     | EFA201398       | 48%      | 99.3%          | 98.2%            |
| SAU801788     | EFM100053       | 44%      | 32.5%          | 96.8%            |
| SAU801788     | LMO102538       | 49%      | 96.8%          | 95.6%            |
| SAU801788     | MAV101886       | 40%      | 97.1%          | 95.0%            |
| SAU801788     | MBV105140       | 43%      | 98.6%          | 95.0%            |
| SAU801788     | MLP101019       | 40%      | 98.6%          | 95.0%            |
| SAU801788     | MTU202933       | 43%      | 98.6%          | 95.0%            |
| SAU801788     | PSY101323       | 30%      | 91.0%          | 91.9%            |
| SAU801788     | SAU801788       | 100%     | 100%           | 100%             |
| SAU801788     | SEP202180       | 72%      | 100%           | 99.6%            |
| SAU801788     | SHA101201       | 74%      | 100%           | 99.6%            |
| SAU801788     | YPS002012       | 43%      | 97.1%          | 95.3%            |
| SAU801790     | ABA100383       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | BAN108106       | 75%      | 99.0%          | 99.0%            |
| SAU801790     | BFR103242       | 50%      | 97.7%          | 98.6%            |
| SAU801790     | BPT100493       | 60%      | 98.7%          | 99.2%            |
| SAU801790     | BBU100375       | 51%      | 97.7%          | 96.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801790     | BCE104520       | 60%      | 98.5%          | 99.2%            |
| SAU801790     | BFU106887       | 60%      | 98.5%          | 93.6%            |
| SAU801790     | BMA102515       | 60%      | 98.5%          | 97.0%            |
| SAU801790     | CJU101022       | 41%      | 97.2%          | 98.7%            |
| SAU801790     | CAC100015       | 69%      | 97.7%          | 99.0%            |
| SAU801790     | CDF101475       | 69%      | 98.5%          | 99.0%            |
| SAU801790     | CDP100317       | 57%      | 98.2%          | 97.1%            |
| SAU801790     | EBC106045       | 63%      | 96.5%          | 98.4%            |
| SAU801790     | EFA200562       | 72%      | 98.5%          | 98.7%            |
| SAU801790     | EFM102997       | 76%      | 12.8%          | 91.1%            |
| SAU801790     | ECO102877       | 62%      | 98.2%          | 98.4%            |
| SAU801790     | HIN101146       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | HPY100194       | 58%      | 97.2%          | 97.4%            |
| SAU801790     | KPN303051       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | LPN103398       | 58%      | 99.2%          | 100%             |
| SAU801790     | LMO101989       | 70%      | 99.5%          | 99.5%            |
| SAU801790     | MCA100501       | 58%      | 98.7%          | 99.7%            |
| SAU801790     | MAV103344       | 58%      | 99.5%          | 100%             |
| SAU801790     | MBV103088       | 57%      | 98.2%          | 98.0%            |
| SAU801790     | MLP100335       | 57%      | 99.5%          | 100%             |
| SAU801790     | MTU201374       | 57%      | 99.5%          | 100%             |
| SAU801790     | MGE100047       | 38%      | 98.0%          | 96.1%            |
| SAU801790     | MPN100094       | 39%      | 98.0%          | 96.1%            |
| SAU801790     | NGO101704       | 62%      | 97.7%          | 98.2%            |
| SAU801790     | NME200613       | 62%      | 97.7%          | 98.2%            |
| SAU801790     | PMU101027       | 61%      | 98.5%          | 98.7%            |
| SAU801790     | PRT101183       | 61%      | 97.7%          | 97.9%            |
| SAU801790     | PAE200545       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | PPU109309       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | PSY103013       | 57%      | 97.7%          | 98.0%            |
| SAU801790     | SPA102476       | 63%      | 97.5%          | 98.2%            |
| SAU801790     | STY104545       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | STM100571       | 63%      | 98.2%          | 98.4%            |
| SAU801790     | SAU801790       | 100%     | 100%           | 100%             |
| SAU801790     | SEP202182       | 88%      | 99.7%          | 99.5%            |
| SAU801790     | SHA101199       | 90%      | 99.7%          | 99.7%            |
| SAU801790     | SMU101066       | 66%      | 99.5%          | 99.7%            |
| SAU801790     | SPN400671       | 66%      | 99.5%          | 100%             |
| SAU801790     | SPY201042       | 65%      | 99.5%          | 99.2%            |
| SAU801790     | TPA100786       | 53%      | 98.0%          | 96.5%            |
| SAU801790     | UUR100416       | 48%      | 99.0%          | 98.7%            |
| SAU801790     | VCH100467       | 61%      | 98.0%          | 97.9%            |
| SAU801790     | YPS000215       | 61%      | 98.2%          | 98.4%            |
| SAU801791     | BAN102885       | 63%      | 97.2%          | 97.5%            |
| SAU801791     | BFR105535       | 50%      | 90%            | 89.7%            |
| SAU801791     | CJU100862       | 54%      | 91.7%          | 92.6%            |
| SAU801791     | EBC103850       | 52%      | 91.3%          | 90.4%            |
| SAU801791     | ECO103326       | 52%      | 91.7%          | 91.3%            |
| SAU801791     | HIN100789       | 49%      | 90.9%          | 89.8%            |
| SAU801791     | KPN309152       | 51%      | 92.5%          | 92.0%            |
| SAU801791     | PMU101542       | 52%      | 90%            | 88.8%            |
| SAU801791     | PRT103276       | 68%      | 11.9%          | 98.5%            |
| SAU801791     | PRT102605       | 52%      | 90%            | 88.9%            |
| SAU801791     | PAE205187       | 46%      | 92.6%          | 95.3%            |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801791     | PPU109983       | 46%      | 92.6%          | 96.6%            |
| SAU801791     | PSY103061       | 49%      | 93.2%          | 95.9%            |
| SAU801791     | SPA102215       | 50%      | 54.2%          | 87.2%            |
| SAU801791     | STY101369       | 53%      | 89.8%          | 88.7%            |
| SAU801791     | STM102905       | 53%      | 89.8%          | 88.7%            |
| SAU801791     | SAU801791       | 100%     | 100%           | 100%             |
| SAU801791     | SEP202183       | 83%      | 100%           | 93.1%            |
| SAU801791     | SHA100255       | 86%      | 100%           | 100%             |
| SAU801791     | SMU101955       | 23%      | 77.2%          | 72.9%            |
| SAU801791     | SPY100767       | 22%      | 22.8%          | 45.4%            |
| SAU801791     | VCH102699       | 49%      | 96.4%          | 94.3%            |
| SAU801791     | YPS001562       | 52%      | 89.8%          | 88.7%            |
| SAU801800     | CBO103265       | 28%      | 37.5%          | 71.5%            |
| SAU801800     | CBO101981       | 35%      | 22.7%          | 48.1%            |
| SAU801800     | EFM200873       | 31%      | 39.6%          | 69.1%            |
| SAU801800     | MBV105157       | 30%      | 19.9%          | 30.3%            |
| SAU801800     | MTU408706       | 30%      | 19.9%          | 30.3%            |
| SAU801800     | NME301036       | 20%      | 62.2%          | 47.3%            |
| SAU801800     | SAU801800       | 100%     | 100%           | 100%             |
| SAU801800     | SEP202377       | 32%      | 50.2%          | 83.4%            |
| SAU801800     | SHA103321       | 32%      | 51.4%          | 83.4%            |
| SAU801801     | CBO102312       | 27%      | 40.9%          | 41.3%            |
| SAU801801     | PRT103680       | 26%      | 42.3%          | 26.6%            |
| SAU801801     | SAU801801       | 100%     | 100%           | 100%             |
| SAU801801     | SEP201425       | 42%      | 80.8%          | 98.9%            |
| SAU801812     | BFR103731       | 35%      | 22.9%          | 7.8%             |
| SAU801812     | BFU106944       | 27%      | 75.8%          | 16.1%            |
| SAU801812     | EFA200509       | 27%      | 65.8%          | 59.2%            |
| SAU801812     | MBV105595       | 24%      | 61.2%          | 43.4%            |
| SAU801812     | MTU201032       | 24%      | 61.2%          | 43.4%            |
| SAU801812     | MPN100256       | 34%      | 37.1%          | 21.3%            |
| SAU801812     | SAU801813       | 48%      | 100%           | 100%             |
| SAU801812     | SAU801809       | 54%      | 100%           | 100%             |
| SAU801812     | SAU801810       | 54%      | 100%           | 100%             |
| SAU801812     | SAU801811       | 61%      | 100%           | 100%             |
| SAU801812     | SAU801812       | 100%     | 100%           | 100%             |
| SAU801812     | SEP200474       | 32%      | 75.8%          | 63.1%            |
| SAU801812     | SHA103193       | 24%      | 61.7%          | 33.5%            |
| SAU801812     | SPN201991       | 23%      | 86.7%          | 9.6%             |
| SAU801812     | UUR100028       | 55%      | 14.2%          | 3.9%             |
| SAU801819     | BAN101272       | 26%      | 93.4%          | 100%             |
| SAU801819     | BAN107130       | 26%      | 94.3%          | 100%             |
| SAU801819     | BCE101717       | 24%      | 22.6%          | 25.3%            |
| SAU801819     | MGE100328       | 24%      | 66.3%          | 19.4%            |
| SAU801819     | SAU801163       | 30%      | 92.5%          | 98.1%            |
| SAU801819     | SAU801820       | 32%      | 84.9%          | 89.1%            |
| SAU801819     | SAU802419       | 33%      | 84.9%          | 89.0%            |
| SAU801819     | SAU802005       | 29%      | 95.2%          | 96.3%            |
| SAU801819     | SAU802420       | 29%      | 95.5%          | 99.4%            |
| SAU801819     | SAU802004       | 39%      | 94.3%          | 95.6%            |
| SAU801819     | SAU802421       | 76%      | 95.8%          | 97.8%            |
| SAU801819     | SAU801819       | 100%     | 100%           | 100%             |
| SAU801831     | ABA105109       | 31%      | 98.9%          | 85.5%            |
| SAU801831     | LPN100617       | 23%      | 94.0%          | 90.3%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801831     | PRT100970       | 29%      | 94.0%          | 91.7%            |
| SAU801831     | PSY105329       | 26%      | 47.3%          | 52.5%            |
| SAU801831     | SAU801831       | 100%     | 100%           | 100%             |
| SAU801831     | SEP202203       | 69%      | 100%           | 100%             |
| SAU801831     | SHA100944       | 57%      | 100%           | 100%             |
| SAU801842     | BAN105878       | 50%      | 95.8%          | 95.9%            |
| SAU801842     | BAN106784       | 50%      | 98.4%          | 98.1%            |
| SAU801842     | BFU105060       | 27%      | 40.6%          | 63.4%            |
| SAU801842     | CAC102817       | 36%      | 98.1%          | 96.3%            |
| SAU801842     | CBO103612       | 27%      | 93.3%          | 94.3%            |
| SAU801842     | EFA201160       | 42%      | 99.0%          | 99.4%            |
| SAU801842     | EFM201438       | 44%      | 99.7%          | 100%             |
| SAU801842     | LMO101135       | 55%      | 95.8%          | 95.8%            |
| SAU801842     | SAU801842       | 100%     | 100%           | 100%             |
| SAU801842     | SEP202225       | 82%      | 100%           | 100%             |
| SAU801842     | SHA100193       | 81%      | 100%           | 100%             |
| SAU801842     | SMU100680       | 42%      | 99.4%          | 96.9%            |
| SAU801842     | SPN401792       | 43%      | 98.1%          | 92.5%            |
| SAU801842     | SPY200197       | 44%      | 97.8%          | 98.7%            |
| SAU801843     | BAN110707       | 25%      | 18.4%          | 25%              |
| SAU801843     | BAN101656       | 20%      | 73.8%          | 95.8%            |
| SAU801843     | BCE102515       | 25%      | 14.7%          | 44.6%            |
| SAU801843     | EBC105222       | 20%      | 31.0%          | 79.7%            |
| SAU801843     | EFA201162       | 22%      | 97.5%          | 97.2%            |
| SAU801843     | EFM202044       | 24%      | 99.7%          | 99.2%            |
| SAU801843     | LMO101860       | 28%      | 97.6%          | 98.2%            |
| SAU801843     | PMU100358       | 22%      | 37.4%          | 32.4%            |
| SAU801843     | SAU801843       | 100%     | 100%           | 100%             |
| SAU801843     | SEP202243       | 69%      | 100%           | 99.7%            |
| SAU801843     | SHA101351       | 56%      | 63.4%          | 91.0%            |
| SAU801844     | BAN112727       | 33%      | 72.9%          | 98.0%            |
| SAU801844     | BAN108010       | 34%      | 99.5%          | 94.4%            |
| SAU801844     | BCE105254       | 28%      | 83.7%          | 82.4%            |
| SAU801844     | BFU106002       | 24%      | 26.4%          | 25.5%            |
| SAU801844     | CTR100444       | 26%      | 23.4%          | 33.8%            |
| SAU801844     | CDP101084       | 24%      | 59.0%          | 62.5%            |
| SAU801844     | EFA201164       | 35%      | 57.8%          | 56.2%            |
| SAU801844     | EFM200739       | 28%      | 99.5%          | 99.5%            |
| SAU801844     | LMO101049       | 34%      | 96.0%          | 95.4%            |
| SAU801844     | MAV100736       | 23%      | 47.2%          | 50.7%            |
| SAU801844     | MLP100687       | 23%      | 47.2%          | 50.7%            |
| SAU801844     | MTU201260       | 24%      | 55.5%          | 53.5%            |
| SAU801844     | SAU801844       | 100%     | 100%           | 100%             |
| SAU801844     | SEP202229       | 79%      | 100%           | 100%             |
| SAU801844     | SHA100337       | 72%      | 96.5%          | 98.5%            |
| SAU801864     | BAN106235       | 40%      | 98.6%          | 99.5%            |
| SAU801864     | BAN106367       | 70%      | 99.8%          | 99.1%            |
| SAU801864     | LMO102085       | 67%      | 99.8%          | 99.1%            |
| SAU801864     | SAU801864       | 100%     | 100%           | 100%             |
| SAU801864     | SEP200493       | 90%      | 100%           | 100%             |
| SAU801864     | SHA100850       | 90%      | 100%           | 100%             |
| SAU801885     | BAN105284       | 41%      | 53.6%          | 61.1%            |
| SAU801885     | BAN109052       | 39%      | 95.1%          | 95.7%            |
| SAU801885     | BFR101331       | 53%      | 8.1%           | 29.2%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801885     | BFR101263       | 30%      | 56.5%          | 47.4%            |
| SAU801885     | CAC100128       | 25%      | 78.1%          | 64.6%            |
| SAU801885     | CBO100759       | 26%      | 62.2%          | 57.1%            |
| SAU801885     | CDF103262       | 22%      | 91.6%          | 76.6%            |
| SAU801885     | CDP100733       | 28%      | 57.6%          | 46.7%            |
| SAU801885     | EFA200214       | 35%      | 98.0%          | 97.3%            |
| SAU801885     | EFM100401       | 38%      | 84.1%          | 98.1%            |
| SAU801885     | HIN100254       | 25%      | 79.8%          | 52.4%            |
| SAU801885     | KPN101258       | 30%      | 49.6%          | 80.6%            |
| SAU801885     | LMO101432       | 40%      | 88.2%          | 88.1%            |
| SAU801885     | MCA103333       | 24%      | 76.9%          | 41.2%            |
| SAU801885     | MAV102966       | 29%      | 55.6%          | 23.1%            |
| SAU801885     | PRT102089       | 27%      | 58.8%          | 34.0%            |
| SAU801885     | PSY102913       | 34%      | 57.1%          | 51.8%            |
| SAU801885     | SPA103134       | 26%      | 55.6%          | 32.8%            |
| SAU801885     | STM101354       | 28%      | 58.2%          | 36.6%            |
| SAU801885     | SAU801885       | 100%     | 100%           | 100%             |
| SAU801885     | SEP200524       | 92%      | 99.1%          | 98.9%            |
| SAU801885     | SHA102846       | 88%      | 100%           | 100%             |
| SAU801885     | SMU101513       | 36%      | 66.6%          | 71.0%            |
| SAU801885     | SPN400343       | 32%      | 94.8%          | 97.0%            |
| SAU801885     | SPY201249       | 30%      | 95.7%          | 97.0%            |
| SAU801885     | YPS002615       | 25%      | 55.9%          | 33.2%            |
| SAU801891     | BFR103387       | 25%      | 79.0%          | 39.9%            |
| SAU801891     | BCE102350       | 26%      | 42.0%          | 21.8%            |
| SAU801891     | BFU101626       | 25%      | 56.4%          | 27.9%            |
| SAU801891     | BMA107339       | 28%      | 45.7%          | 23.2%            |
| SAU801891     | CAC100871       | 44%      | 97.9%          | 99.6%            |
| SAU801891     | CBO102328       | 46%      | 97.1%          | 98.0%            |
| SAU801891     | CDF103937       | 25%      | 84.0%          | 45.0%            |
| SAU801891     | CDP101577       | 35%      | 85.2%          | 90%              |
| SAU801891     | EFA201623       | 39%      | 86.0%          | 92.6%            |
| SAU801891     | EFM202615       | 40%      | 86.4%          | 92.2%            |
| SAU801891     | KPN305163       | 24%      | 75.7%          | 40.4%            |
| SAU801891     | LMO102346       | 29%      | 72.4%          | 35.6%            |
| SAU801891     | MAV103150       | 35%      | 81.1%          | 85.1%            |
| SAU801891     | MBV105752       | 35%      | 87.2%          | 92.6%            |
| SAU801891     | MLP101386       | 33%      | 87.2%          | 93.0%            |
| SAU801891     | MTU203659       | 35%      | 87.2%          | 92.6%            |
| SAU801891     | PAE201276       | 30%      | 41.2%          | 21.0%            |
| SAU801891     | PPU104541       | 31%      | 40.3%          | 20.9%            |
| SAU801891     | PSY104520       | 26%      | 56.4%          | 28.8%            |
| SAU801891     | SPA101593       | 25%      | 63.4%          | 32.7%            |
| SAU801891     | STY102862       | 25%      | 63.4%          | 32.6%            |
| SAU801891     | SAU801891       | 100%     | 100%           | 100%             |
| SAU801891     | SEP200530       | 86%      | 99.2%          | 100%             |
| SAU801891     | SHA100327       | 87%      | 65.0%          | 100%             |
| SAU801891     | SMU100316       | 37%      | 86.8%          | 82.1%            |
| SAU801891     | SPN401443       | 39%      | 86.4%          | 82.3%            |
| SAU801891     | SPY200781       | 42%      | 86.8%          | 81.7%            |
| SAU801891     | VCH103448       | 26%      | 59.7%          | 31.0%            |
| SAU801892     | CAC103089       | 37%      | 83.5%          | 85.3%            |
| SAU801892     | CBO103928       | 33%      | 88.3%          | 87.0%            |
| SAU801892     | CDP101579       | 27%      | 89.9%          | 90.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801892     | EFA201624       | 35%      | 88.8%          | 88.2%            |
| SAU801892     | EFM201524       | 33%      | 90.6%          | 91.1%            |
| SAU801892     | MAV103153       | 28%      | 95.7%          | 95.9%            |
| SAU801892     | MBV103349       | 24%      | 70.3%          | 99.3%            |
| SAU801892     | MLP101385       | 28%      | 98.4%          | 98.8%            |
| SAU801892     | MTU203658       | 28%      | 95.7%          | 95.9%            |
| SAU801892     | SAU801892       | 100%     | 100%           | 100%             |
| SAU801892     | SEP200540       | 84%      | 100%           | 100%             |
| SAU801892     | SHA100326       | 86%      | 91.5%          | 100%             |
| SAU801892     | SMU100305       | 38%      | 83.1%          | 82.3%            |
| SAU801892     | SPN401442       | 35%      | 92.9%          | 92.4%            |
| SAU801892     | SPY200782       | 35%      | 88.1%          | 87.4%            |
| SAU801898     | ABA102906       | 25%      | 93.0%          | 97.1%            |
| SAU801898     | BAN101717       | 37%      | 83.5%          | 87.6%            |
| SAU801898     | BAN104028       | 51%      | 93.3%          | 97.7%            |
| SAU801898     | BFR103264       | 21%      | 87.6%          | 91.6%            |
| SAU801898     | BPT102594       | 36%      | 33.7%          | 35.2%            |
| SAU801898     | CAC101539       | 32%      | 93.3%          | 99.3%            |
| SAU801898     | CBO100610       | 29%      | 91.4%          | 97.6%            |
| SAU801898     | CDF100046       | 31%      | 91.7%          | 97.0%            |
| SAU801898     | CDP100495       | 27%      | 93.7%          | 91.4%            |
| SAU801898     | EBC101306       | 32%      | 82.9%          | 87.0%            |
| SAU801898     | EFA201025       | 50%      | 95.6%          | 84.8%            |
| SAU801898     | EFM201626       | 34%      | 92.7%          | 99.7%            |
| SAU801898     | ECO102045       | 31%      | 82.9%          | 87.0%            |
| SAU801898     | KPN304484       | 30%      | 82.9%          | 86.6%            |
| SAU801898     | LPN102533       | 27%      | 87.6%          | 94.8%            |
| SAU801898     | LMO101117       | 54%      | 94.0%          | 95.8%            |
| SAU801898     | MAV101449       | 25%      | 86.0%          | 88.4%            |
| SAU801898     | MBV102765       | 22%      | 90.5%          | 93.2%            |
| SAU801898     | MTU202218       | 22%      | 90.5%          | 93.2%            |
| SAU801898     | PRT102330       | 32%      | 82.9%          | 87.5%            |
| SAU801898     | PAE203021       | 29%      | 82.5%          | 85.1%            |
| SAU801898     | PPU103228       | 26%      | 82.5%          | 85.8%            |
| SAU801898     | PSY100248       | 33%      | 40.3%          | 92.6%            |
| SAU801898     | PSY102861       | 27%      | 86.3%          | 87.2%            |
| SAU801898     | SPA100769       | 27%      | 82.9%          | 86.9%            |
| SAU801898     | STM103922       | 29%      | 82.9%          | 87.0%            |
| SAU801898     | SAU801898       | 100%     | 100%           | 100%             |
| SAU801898     | SEP200546       | 89%      | 98.4%          | 98.1%            |
| SAU801898     | SHA101107       | 86%      | 100%           | 95.5%            |
| SAU801898     | SMU101024       | 46%      | 96.8%          | 90.2%            |
| SAU801898     | SPN400947       | 33%      | 92.4%          | 92.6%            |
| SAU801898     | SPY200551       | 45%      | 99.0%          | 93.2%            |
| SAU801898     | YPS003168       | 33%      | 82.9%          | 87.8%            |
| SAU801899     | ABA101192       | 49%      | 98.5%          | 96.9%            |
| SAU801899     | BAN113289       | 55%      | 98.1%          | 98.1%            |
| SAU801899     | BAN103118       | 77%      | 100%           | 100%             |
| SAU801899     | BPT102505       | 47%      | 99.4%          | 99.8%            |
| SAU801899     | BBU100340       | 41%      | 99.4%          | 99.4%            |
| SAU801899     | BCE113424       | 47%      | 74.7%          | 94.3%            |
| SAU801899     | BFU106894       | 45%      | 98.9%          | 98.4%            |
| SAU801899     | BMA107258       | 47%      | 98.9%          | 99.2%            |
| SAU801899     | CJU101122       | 48%      | 98.9%          | 99.6%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801899     | CPN200756       | 42%      | 99.4%          | 98.4%            |
| SAU801899     | CTR200267       | 41%      | 98.1%          | 97.1%            |
| SAU801899     | CAC103172       | 51%      | 100%           | 100%             |
| SAU801899     | CBO100777       | 53%      | 99.8%          | 99.8%            |
| SAU801899     | CDF102772       | 25%      | 25.5%          | 84%              |
| SAU801899     | CDP100169       | 44%      | 98.9%          | 96.4%            |
| SAU801899     | EFA201028       | 72%      | 100%           | 100%             |
| SAU801899     | EFM100482       | 77%      | 22.9%          | 100%             |
| SAU801899     | HPY100650       | 46%      | 99.4%          | 99.6%            |
| SAU801899     | LPN102938       | 40%      | 99.4%          | 99.8%            |
| SAU801899     | LMO100253       | 75%      | 100%           | 100%             |
| SAU801899     | MCA100584       | 46%      | 98.5%          | 97.1%            |
| SAU801899     | MAV106350       | 42%      | 98.1%          | 95.0%            |
| SAU801899     | MBV101310       | 42%      | 98.1%          | 93.9%            |
| SAU801899     | MLP101041       | 40%      | 98.1%          | 93.9%            |
| SAU801899     | MTU202971       | 42%      | 98.1%          | 93.9%            |
| SAU801899     | MGE100102       | 36%      | 97.7%          | 96.4%            |
| SAU801899     | MPN100593       | 38%      | 97.7%          | 96.2%            |
| SAU801899     | NGO101113       | 46%      | 99.4%          | 99.8%            |
| SAU801899     | NME201429       | 46%      | 99.4%          | 99.8%            |
| SAU801899     | PAE204482       | 48%      | 99.6%          | 99.8%            |
| SAU801899     | PPU103969       | 48%      | 99.6%          | 99.8%            |
| SAU801899     | PSY104801       | 48%      | 99.6%          | 95.0%            |
| SAU801899     | SAU801899       | 100%     | 100%           | 100%             |
| SAU801899     | SEP200547       | 92%      | 100%           | 100%             |
| SAU801899     | SHA101106       | 93%      | 100%           | 100%             |
| SAU801899     | SMU101137       | 64%      | 99.8%          | 99.4%            |
| SAU801899     | SPN400393       | 63%      | 99.8%          | 99.2%            |
| SAU801899     | SPY201364       | 63%      | 99.8%          | 99.4%            |
| SAU801899     | TPA101011       | 37%      | 99.4%          | 94.9%            |
| SAU801899     | UUR100550       | 36%      | 99.6%          | 99.6%            |
| SAU801899     | VCH100444       | 27%      | 25.1%          | 20.9%            |
| SAU801900     | ABA101195       | 47%      | 97.5%          | 96.3%            |
| SAU801900     | BAN102336       | 47%      | 96.3%          | 96.8%            |
| SAU801900     | BAN100349       | 61%      | 98.8%          | 98.8%            |
| SAU801900     | BFR100886       | 24%      | 18.6%          | 27.2%            |
| SAU801900     | BPT102507       | 47%      | 90.7%          | 89.8%            |
| SAU801900     | BBU100341       | 39%      | 91.8%          | 89.7%            |
| SAU801900     | BCE103922       | 49%      | 90.7%          | 91.3%            |
| SAU801900     | BFU106893       | 49%      | 91.8%          | 92.3%            |
| SAU801900     | BMA103667       | 49%      | 90.7%          | 91.3%            |
| SAU801900     | CJU100987       | 46%      | 89.7%          | 98.5%            |
| SAU801900     | CPN200757       | 44%      | 99.2%          | 97.2%            |
| SAU801900     | CTR200266       | 44%      | 98.8%          | 97.1%            |
| SAU801900     | CAC100524       | 54%      | 97.9%          | 99.8%            |
| SAU801900     | CBO102412       | 49%      | 98.8%          | 98.8%            |
| SAU801900     | CDP100148       | 46%      | 96.3%          | 96.4%            |
| SAU801900     | EBC101332       | 32%      | 93.0%          | 92.3%            |
| SAU801900     | EFA201041       | 61%      | 97.7%          | 96.5%            |
| SAU801900     | EFM202258       | 24%      | 95.9%          | 96.7%            |
| SAU801900     | HPY100817       | 48%      | 92.4%          | 96.7%            |
| SAU801900     | KPN302436       | 31%      | 97.5%          | 97.0%            |
| SAU801900     | LPN101348       | 50%      | 91.8%          | 91.9%            |
| SAU801900     | LMO101334       | 62%      | 97.5%          | 97.5%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801900     | MCA100258       | 47%      | 98.4%          | 97.8%            |
| SAU801900     | MAV101410       | 48%      | 95.5%          | 95.7%            |
| SAU801900     | MBV100289       | 47%      | 95.5%          | 95.7%            |
| SAU801900     | MLP101043       | 47%      | 95.5%          | 95.0%            |
| SAU801900     | MTU202973       | 47%      | 95.5%          | 95.7%            |
| SAU801900     | MGE100101       | 32%      | 97.1%          | 99.4%            |
| SAU801900     | MPN100594       | 33%      | 88.5%          | 91.6%            |
| SAU801900     | NGO101120       | 46%      | 96.3%          | 96.9%            |
| SAU801900     | NME201427       | 47%      | 96.1%          | 96.7%            |
| SAU801900     | PRT104598       | 24%      | 28.9%          | 44.3%            |
| SAU801900     | PAE204481       | 50%      | 95.9%          | 95.9%            |
| SAU801900     | PPU101392       | 48%      | 95.9%          | 96.1%            |
| SAU801900     | PSY105880       | 47%      | 95.9%          | 96.1%            |
| SAU801900     | SAU801900       | 100%     | 100%           | 100%             |
| SAU801900     | SEP200550       | 90%      | 100%           | 100%             |
| SAU801900     | SHA100413       | 89%      | 77.9%          | 98.4%            |
| SAU801900     | SMU101138       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | SPN400394       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | SPY201365       | 56%      | 98.8%          | 97.7%            |
| SAU801900     | TPA101010       | 46%      | 83.1%          | 81.6%            |
| SAU801900     | UUR100551       | 32%      | 94.0%          | 95.2%            |
| SAU801900     | YPS002788       | 31%      | 93.0%          | 92.3%            |
| SAU801901     | ABA101198       | 33%      | 89%            | 85.6%            |
| SAU801901     | BAN111216       | 40%      | 88%            | 94.6%            |
| SAU801901     | BAN108238       | 44%      | 95%            | 99.0%            |
| SAU801901     | BPT102508       | 35%      | 92%            | 97.1%            |
| SAU801901     | BCE104390       | 28%      | 92%            | 97.0%            |
| SAU801901     | BFU106892       | 28%      | 92%            | 86.5%            |
| SAU801901     | BMA103771       | 27%      | 92%            | 97.0%            |
| SAU801901     | CPN200758       | 28%      | 90%            | 92.1%            |
| SAU801901     | CTR200265       | 25%      | 92%            | 94%              |
| SAU801901     | CAC100906       | 30%      | 93%            | 93.9%            |
| SAU801901     | CBO103651       | 29%      | 93%            | 93.9%            |
| SAU801901     | CDP100146       | 32%      | 99%            | 100%             |
| SAU801901     | EFA201044       | 38%      | 97%            | 89.8%            |
| SAU801901     | EFM100480       | 39%      | 97%            | 96.0%            |
| SAU801901     | LPN103589       | 25%      | 95%            | 96.9%            |
| SAU801901     | LMO100749       | 46%      | 97%            | 100%             |
| SAU801901     | MCA100257       | 27%      | 92%            | 96.8%            |
| SAU801901     | MAV101412       | 38%      | 98%            | 100%             |
| SAU801901     | MBV101316       | 34%      | 98%            | 81.7%            |
| SAU801901     | MLP101044       | 35%      | 97%            | 98.0%            |
| SAU801901     | MTU202974       | 35%      | 98%            | 99.0%            |
| SAU801901     | NGO101123       | 29%      | 94%            | 97.9%            |
| SAU801901     | NME201426       | 27%      | 94%            | 97.9%            |
| SAU801901     | PAE204480       | 34%      | 90%            | 93.8%            |
| SAU801901     | PPU103938       | 34%      | 90%            | 94.7%            |
| SAU801901     | PSY108279       | 33%      | 90%            | 94.7%            |
| SAU801901     | SAU801901       | 100%     | 100%           | 100%             |
| SAU801901     | SEP200560       | 95%      | 100%           | 100%             |
| SAU801901     | SHA100412       | 90%      | 100%           | 100%             |
| SAU801901     | SMU101140       | 44%      | 95%            | 95%              |
| SAU801901     | SPN400395       | 41%      | 95%            | 95%              |
| SAU801901     | SPY201366       | 40%      | 95%            | 95%              |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801904     | ABA100577       | 42%      | 97.9%          | 96.5%            |
| SAU801904     | BAN102650       | 47%      | 98.7%          | 100%             |
| SAU801904     | BAN110615       | 60%      | 98.7%          | 98.8%            |
| SAU801904     | BFR102809       | 40%      | 98.4%          | 99.1%            |
| SAU801904     | BPT100689       | 44%      | 96.1%          | 96.1%            |
| SAU801904     | BBU100551       | 33%      | 97.3%          | 97.7%            |
| SAU801904     | BCE104345       | 46%      | 97.5%          | 96.2%            |
| SAU801904     | BFU101944       | 46%      | 96.1%          | 94.9%            |
| SAU801904     | BMA104881       | 46%      | 96.1%          | 94.9%            |
| SAU801904     | CJU100547       | 35%      | 96.7%          | 97.4%            |
| SAU801904     | CPN200612       | 41%      | 96.9%          | 96.8%            |
| SAU801904     | CTR200416       | 38%      | 97.5%          | 97.6%            |
| SAU801904     | CAC101086       | 38%      | 97.6%          | 98.3%            |
| SAU801904     | CAC101820       | 38%      | 98.8%          | 98.7%            |
| SAU801904     | CBO101063       | 39%      | 98.2%          | 98.8%            |
| SAU801904     | CDF103325       | 49%      | 98.5%          | 96.9%            |
| SAU801904     | CDP100142       | 37%      | 98.5%          | 97.9%            |
| SAU801904     | EBC101052       | 43%      | 98.8%          | 99.6%            |
| SAU801904     | EFA201047       | 56%      | 98.4%          | 96.5%            |
| SAU801904     | EFM100886       | 58%      | 30.6%          | 95.8%            |
| SAU801904     | ECO102362       | 44%      | 98.8%          | 99.3%            |
| SAU801904     | HIN101074       | 45%      | 98.8%          | 97.9%            |
| SAU801904     | HPY100608       | 40%      | 97.8%          | 97.9%            |
| SAU801904     | KPN300317       | 41%      | 20.7%          | 81.8%            |
| SAU801904     | KPN301038       | 44%      | 98.8%          | 99.3%            |
| SAU801904     | LPN101707       | 40%      | 98.4%          | 98.5%            |
| SAU801904     | LMO102553       | 60%      | 99.0%          | 98.5%            |
| SAU801904     | MCA101464       | 42%      | 98.1%          | 95.2%            |
| SAU801904     | MAV101428       | 38%      | 97.3%          | 95.4%            |
| SAU801904     | MBV102830       | 38%      | 97.2%          | 95.5%            |
| SAU801904     | MLP101046       | 38%      | 97.3%          | 95.2%            |
| SAU801904     | MTU202976       | 38%      | 97.2%          | 95.5%            |
| SAU801904     | MGE100258       | 36%      | 98.2%          | 99.4%            |
| SAU801904     | MPN100479       | 37%      | 97.5%          | 98.8%            |
| SAU801904     | NGO100904       | 43%      | 98.8%          | 99.5%            |
| SAU801904     | NME200800       | 44%      | 98.2%          | 96.4%            |
| SAU801904     | PMU101716       | 43%      | 97.8%          | 97.8%            |
| SAU801904     | PRT102270       | 45%      | 98.5%          | 98.5%            |
| SAU801904     | PAE201528       | 42%      | 97.6%          | 97.4%            |
| SAU801904     | PPU107257       | 44%      | 98.1%          | 98.2%            |
| SAU801904     | PSY103902       | 43%      | 85.2%          | 94.1%            |
| SAU801904     | SPA103528       | 42%      | 98.8%          | 99.4%            |
| SAU801904     | STY101179       | 43%      | 98.8%          | 99.3%            |
| SAU801904     | SAU801904       | 100%     | 100%           | 100%             |
| SAU801904     | SEP200563       | 82%      | 99.4%          | 99.7%            |
| SAU801904     | SHA100321       | 83%      | 97.8%          | 100%             |
| SAU801904     | SMU101026       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | SPN401024       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | SPY200550       | 51%      | 97.8%          | 99.1%            |
| SAU801904     | TPA100627       | 27%      | 98.7%          | 77.5%            |
| SAU801904     | UUR100120       | 41%      | 99.4%          | 99.7%            |
| SAU801904     | VCH100955       | 43%      | 99.0%          | 99.6%            |
| SAU801904     | YPS000606       | 43%      | 98.8%          | 99.3%            |
| SAU801905     | ABA100705       | 40%      | 87.0%          | 94.8%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801905     | BAN105739       | 39%      | 99.2%          | 99.5%            |
| SAU801905     | BAN105118       | 58%      | 99.3%          | 98.7%            |
| SAU801905     | BFR10181        | 43%      | 91.2%          | 95.7%            |
| SAU801905     | BPT100444       | 37%      | 99.0%          | 96.3%            |
| SAU801905     | BBU100606       | 38%      | 87.1%          | 97.1%            |
| SAU801905     | BCE114095       | 37%      | 86.6%          | 100%             |
| SAU801905     | BFU114667       | 35%      | 99.9%          | 100%             |
| SAU801905     | BMA108211       | 34%      | 99.9%          | 100%             |
| SAU801905     | CJU101027       | 36%      | 96.8%          | 97.4%            |
| SAU801905     | CPN201081       | 40%      | 87.0%          | 98.9%            |
| SAU801905     | CTR200887       | 40%      | 87.3%          | 99.5%            |
| SAU801905     | CAC100746       | 44%      | 98.5%          | 98.9%            |
| SAU801905     | CBO101783       | 48%      | 99.0%          | 99.5%            |
| SAU801905     | CDF102800       | 43%      | 99.2%          | 98.7%            |
| SAU801905     | CDP100108       | 42%      | 99.2%          | 94.4%            |
| SAU801905     | EBC102904       | 39%      | 86.2%          | 94.6%            |
| SAU801905     | EFA201050       | 57%      | 99.5%          | 99.3%            |
| SAU801905     | EFM200737       | 25%      | 86.0%          | 88.9%            |
| SAU801905     | ECO103725       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | HIN101161       | 40%      | 99.6%          | 99.3%            |
| SAU801905     | HPY101457       | 33%      | 95.5%          | 94.6%            |
| SAU801905     | KPN303539       | 39%      | 99.0%          | 98.8%            |
| SAU801905     | LPN100488       | 37%      | 89.3%          | 98.2%            |
| SAU801905     | LMO100030       | 60%      | 99.6%          | 99.9%            |
| SAU801905     | MCA101054       | 37%      | 87.3%          | 93.8%            |
| SAU801905     | MAV107704       | 43%      | 99.2%          | 97.8%            |
| SAU801905     | MBV101967       | 43%      | 99.2%          | 97.5%            |
| SAU801905     | MLP100111       | 41%      | 99.6%          | 98.2%            |
| SAU801905     | MTU200940       | 43%      | 99.2%          | 97.5%            |
| SAU801905     | MGE100248       | 28%      | 94.9%          | 96.0%            |
| SAU801905     | MPN100496       | 33%      | 92.3%          | 95.7%            |
| SAU801905     | MPN100495       | 29%      | 94.8%          | 94.8%            |
| SAU801905     | NGO100682       | 37%      | 99.0%          | 98.5%            |
| SAU801905     | NME200026       | 37%      | 99.0%          | 98.5%            |
| SAU801905     | PMU100411       | 39%      | 99.6%          | 99.4%            |
| SAU801905     | PRT102802       | 38%      | 99.0%          | 99.3%            |
| SAU801905     | PAE205438       | 38%      | 99.5%          | 99.2%            |
| SAU801905     | PPU102313       | 38%      | 99.5%          | 99.0%            |
| SAU801905     | PSY103224       | 37%      | 94.5%          | 99.6%            |
| SAU801905     | SPA103752       | 39%      | 86.2%          | 93.9%            |
| SAU801905     | STY102029       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | STM101095       | 39%      | 99.0%          | 99.0%            |
| SAU801905     | SAU801905       | 100%     | 100%           | 100%             |
| SAU801905     | SEP200564       | 89%      | 100%           | 99.9%            |
| SAU801905     | SHA100319       | 87%      | 98.5%          | 100%             |
| SAU801905     | SMU100987       | 52%      | 99.7%          | 100%             |
| SAU801905     | SPN400995       | 53%      | 99.7%          | 99.9%            |
| SAU801905     | SPY200975       | 52%      | 99.7%          | 100%             |
| SAU801905     | TPA100101       | 41%      | 87.7%          | 96.7%            |
| SAU801905     | UUR100506       | 37%      | 97.7%          | 97.4%            |
| SAU801905     | VCH100188       | 40%      | 99.2%          | 99.0%            |
| SAU801905     | YPS001400       | 39%      | 99.0%          | 99.0%            |
| SAU801908     | ABA105090       | 26%      | 98.4%          | 97.1%            |
| SAU801908     | BAN108908       | 61%      | 99.1%          | 100%             |



| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801908     | BAN107339       | 72%      | 99.8%          | 99.3%            |
| SAU801908     | BFR11423        | 26%      | 67.7%          | 67.9%            |
| SAU801908     | BPT102211       | 25%      | 70.3%          | 66.0%            |
| SAU801908     | BCE106246       | 32%      | 52.4%          | 62.8%            |
| SAU801908     | BFU107381       | 27%      | 96.1%          | 89.5%            |
| SAU801908     | BMA109025       | 28%      | 95.8%          | 90.5%            |
| SAU801908     | CJU100023       | 48%      | 99.1%          | 99.3%            |
| SAU801908     | CAC101025       | 28%      | 95.4%          | 89.7%            |
| SAU801908     | CBO102979       | 27%      | 95.8%          | 89.9%            |
| SAU801908     | CDF100139       | 26%      | 16.9%          | 81.5%            |
| SAU801908     | CDF100863       | 28%      | 97.4%          | 90.6%            |
| SAU801908     | CDP100537       | 24%      | 95.8%          | 89.1%            |
| SAU801908     | EBC102864       | 25%      | 76.3%          | 73.7%            |
| SAU801908     | EFA200867       | 70%      | 99.8%          | 99.8%            |
| SAU801908     | EFM201242       | 68%      | 99.8%          | 99.8%            |
| SAU801908     | ECO101104       | 27%      | 74.0%          | 71.5%            |
| SAU801908     | HIN100620       | 24%      | 79.6%          | 76.8%            |
| SAU801908     | HPY101095       | 46%      | 99.1%          | 99.3%            |
| SAU801908     | KPN304553       | 30%      | 94.0%          | 93.4%            |
| SAU801908     | LPN100438       | 25%      | 68.7%          | 67.1%            |
| SAU801908     | LMO102395       | 72%      | 99.8%          | 100%             |
| SAU801908     | MCA100711       | 26%      | 81.9%          | 78.8%            |
| SAU801908     | MAV104228       | 27%      | 87.5%          | 81.6%            |
| SAU801908     | MBV105328       | 27%      | 87.5%          | 82.0%            |
| SAU801908     | MLP101330       | 28%      | 87.5%          | 82.0%            |
| SAU801908     | MTU200771       | 27%      | 87.5%          | 82.0%            |
| SAU801908     | NGO101832       | 26%      | 80.5%          | 80.7%            |
| SAU801908     | NME202038       | 24%      | 90.3%          | 90.1%            |
| SAU801908     | PMU101851       | 27%      | 85.8%          | 81.3%            |
| SAU801908     | PRT104726       | 25%      | 95.8%          | 91.7%            |
| SAU801908     | PRT105429       | 33%      | 97.4%          | 94.3%            |
| SAU801908     | PAE203514       | 29%      | 98.1%          | 88.6%            |
| SAU801908     | PAE203515       | 32%      | 95.1%          | 87.2%            |
| SAU801908     | PPU101118       | 29%      | 98.4%          | 96%              |
| SAU801908     | PSY102568       | 29%      | 87.0%          | 95.1%            |
| SAU801908     | SPA104234       | 26%      | 68.7%          | 65.0%            |
| SAU801908     | STY102567       | 26%      | 74.0%          | 71.5%            |
| SAU801908     | SAU801908       | 100%     | 100%           | 100%             |
| SAU801908     | SEP200567       | 92%      | 100%           | 100%             |
| SAU801908     | SHA100373       | 93%      | 99.8%          | 99.8%            |
| SAU801908     | SMU101297       | 66%      | 99.8%          | 99.5%            |
| SAU801908     | SPN400056       | 66%      | 99.8%          | 99.5%            |
| SAU801908     | SPY200028       | 66%      | 99.8%          | 100%             |
| SAU801908     | VCH101107       | 27%      | 65.7%          | 63.8%            |
| SAU801908     | YPS003261       | 26%      | 76.6%          | 75.2%            |
| SAU801912     | ABA100328       | 25%      | 83.5%          | 42.9%            |
| SAU801912     | BAN108683       | 47%      | 85.7%          | 85.7%            |
| SAU801912     | BAN108744       | 50%      | 95.2%          | 95.6%            |
| SAU801912     | BFR106001       | 25%      | 59.0%          | 24.2%            |
| SAU801912     | BPT101105       | 23%      | 76.2%          | 37.3%            |
| SAU801912     | BCE104452       | 45%      | 97.8%          | 96.1%            |
| SAU801912     | BFU114829       | 46%      | 97.8%          | 94.8%            |
| SAU801912     | BMA100850       | 44%      | 96.7%          | 94.4%            |
| SAU801912     | CJU100749       | 27%      | 85.7%          | 92.7%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801912     | CAC102721       | 26%      | 67.0%          | 27.6%            |
| SAU801912     | CBO100735       | 26%      | 67.4%          | 28.5%            |
| SAU801912     | CDF103692       | 31%      | 81.0%          | 87.3%            |
| SAU801912     | CDP101431       | 50%      | 95.2%          | 96.3%            |
| SAU801912     | EBC101020       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | EFA201596       | 55%      | 97.4%          | 97.5%            |
| SAU801912     | EFM200649       | 56%      | 95.2%          | 95.6%            |
| SAU801912     | ECO101708       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | HPY100325       | 31%      | 80.6%          | 78.8%            |
| SAU801912     | KPN302800       | 60%      | 98.5%          | 99.3%            |
| SAU801912     | LMO101503       | 58%      | 96.7%          | 97.1%            |
| SAU801912     | MCA102959       | 24%      | 80.6%          | 38.5%            |
| SAU801912     | MGE100394       | 28%      | 86.8%          | 91.1%            |
| SAU801912     | MPN100280       | 27%      | 88.3%          | 92.3%            |
| SAU801912     | NGO101101       | 25%      | 79.5%          | 81.0%            |
| SAU801912     | NME201435       | 25%      | 79.9%          | 78.4%            |
| SAU801912     | PRT106200       | 27%      | 83.9%          | 42.9%            |
| SAU801912     | PAE204915       | 45%      | 96.3%          | 98.5%            |
| SAU801912     | PPU107581       | 45%      | 97.1%          | 99.3%            |
| SAU801912     | PSY101011       | 45%      | 97.1%          | 99.3%            |
| SAU801912     | SPA103120       | 60%      | 96.3%          | 96.4%            |
| SAU801912     | STY101195       | 58%      | 98.5%          | 99.3%            |
| SAU801912     | SAU801912       | 100%     | 100%           | 100%             |
| SAU801912     | SEP200570       | 80%      | 99.6%          | 98.9%            |
| SAU801912     | SHA100109       | 80%      | 100%           | 100%             |
| SAU801912     | SMU101467       | 57%      | 95.2%          | 95.6%            |
| SAU801912     | SPN401275       | 55%      | 96.3%          | 96.7%            |
| SAU801912     | SPY201273       | 57%      | 96.3%          | 96.7%            |
| SAU801912     | TPA100772       | 24%      | 76.2%          | 28.9%            |
| SAU801912     | UUR100465       | 30%      | 87.2%          | 91.0%            |
| SAU801912     | VCH102941       | 50%      | 97.1%          | 99.6%            |
| SAU801912     | YPS003346       | 27%      | 76.6%          | 37.8%            |
| SAU801913     | ABA104064       | 24%      | 62.8%          | 82.4%            |
| SAU801913     | BAN100917       | 56%      | 98.0%          | 99.2%            |
| SAU801913     | BAN111422       | 64%      | 98.8%          | 99.2%            |
| SAU801913     | BFR12483        | 24%      | 61.3%          | 83.0%            |
| SAU801913     | BBU100634       | 40%      | 95.1%          | 97.9%            |
| SAU801913     | BFU104396       | 21%      | 56.2%          | 76.7%            |
| SAU801913     | CJU100203       | 44%      | 78.9%          | 84.0%            |
| SAU801913     | CAC102082       | 46%      | 96.1%          | 96.7%            |
| SAU801913     | CAC102201       | 45%      | 95.5%          | 95.5%            |
| SAU801913     | CBO101220       | 43%      | 96.1%          | 96.1%            |
| SAU801913     | CDF101027       | 49%      | 95.5%          | 98.3%            |
| SAU801913     | CDP101373       | 33%      | 90.4%          | 94.7%            |
| SAU801913     | EBC100632       | 24%      | 37.4%          | 64.1%            |
| SAU801913     | EFA201594       | 59%      | 99.2%          | 98.4%            |
| SAU801913     | EFM200699       | 59%      | 98.6%          | 98.6%            |
| SAU801913     | ECO100906       | 20%      | 66.3%          | 87%              |
| SAU801913     | KPN301496       | 21%      | 57.5%          | 77%              |
| SAU801913     | LPN101555       | 44%      | 95.9%          | 98.1%            |
| SAU801913     | LMO102099       | 61%      | 97.8%          | 96.8%            |
| SAU801913     | MAV103522       | 30%      | 89.4%          | 92.1%            |
| SAU801913     | MBV100308       | 37%      | 92.6%          | 91.1%            |
| SAU801913     | MTU200570       | 37%      | 92.6%          | 91.1%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801913     | MPN100107       | 21%      | 61.1%          | 76.1%            |
| SAU801913     | NGO100225       | 25%      | 71.2%          | 93.0%            |
| SAU801913     | NME201565       | 25%      | 71.2%          | 89.3%            |
| SAU801913     | PRT101956       | 22%      | 40.9%          | 54.2%            |
| SAU801913     | PAE204374       | 23%      | 31.7%          | 44.0%            |
| SAU801913     | PPU107582       | 24%      | 54.2%          | 72.1%            |
| SAU801913     | PSY101887       | 25%      | 31.7%          | 43.0%            |
| SAU801913     | SPA102570       | 21%      | 66.3%          | 87%              |
| SAU801913     | STY102950       | 21%      | 66.3%          | 87%              |
| SAU801913     | SAU801913       | 100%     | 100%           | 100%             |
| SAU801913     | SEP200580       | 85%      | 100%           | 100%             |
| SAU801913     | SHA101008       | 87%      | 84.0%          | 96.9%            |
| SAU801913     | SMU101465       | 58%      | 98.0%          | 98.6%            |
| SAU801913     | SPN401276       | 59%      | 98.6%          | 99.4%            |
| SAU801913     | SPY201274       | 62%      | 95.3%          | 96.3%            |
| SAU801913     | TPA100621       | 38%      | 92.2%          | 95.3%            |
| SAU801913     | UUR100278       | 22%      | 54.8%          | 78.2%            |
| SAU801913     | YPS002092       | 21%      | 66.3%          | 87.0%            |
| SAU801919     | BAN106385       | 61%      | 66.3%          | 99.5%            |
| SAU801919     | BAN103886       | 53%      | 98.4%          | 99.7%            |
| SAU801919     | CAC101085       | 43%      | 98.1%          | 97.4%            |
| SAU801919     | CBO102972       | 42%      | 76.7%          | 86.5%            |
| SAU801919     | CDF100963       | 46%      | 2.6%           | 44.5%            |
| SAU801919     | EFA201809       | 57%      | 98.7%          | 99.0%            |
| SAU801919     | EFM101283       | 48%      | 65.0%          | 100%             |
| SAU801919     | LMO102809       | 52%      | 100%           | 100%             |
| SAU801919     | SAU801919       | 100%     | 100%           | 100%             |
| SAU801919     | SEP200585       | 82%      | 100%           | 100%             |
| SAU801919     | SHA100533       | 81%      | 100%           | 100%             |
| SAU801919     | SMU100407       | 48%      | 99.0%          | 99.0%            |
| SAU801919     | SPN401388       | 49%      | 99.0%          | 99.0%            |
| SAU801919     | SPY200277       | 48%      | 99.0%          | 99.0%            |
| SAU801919     | VCH101659       | 34%      | 97.7%          | 98.7%            |
| SAU801933     | BAN110157       | 40%      | 95.3%          | 100%             |
| SAU801933     | BAN100669       | 41%      | 95.3%          | 97.9%            |
| SAU801933     | BFR12250        | 29%      | 72.1%          | 73.6%            |
| SAU801933     | CBO103408       | 43%      | 92.6%          | 97.2%            |
| SAU801933     | CDF102635       | 40%      | 95.0%          | 99.3%            |
| SAU801933     | HPY101203       | 30%      | 75.8%          | 97.8%            |
| SAU801933     | SAU801933       | 100%     | 100%           | 100%             |
| SAU801933     | SEP200625       | 67%      | 98.0%          | 96.1%            |
| SAU801933     | SHA100899       | 61%      | 95.3%          | 95.0%            |
| SAU801933     | SMU101571       | 40%      | 76.8%          | 93.4%            |
| SAU801933     | SPN401558       | 35%      | 68.5%          | 82.5%            |
| SAU801933     | SPY200989       | 35%      | 68.5%          | 86.2%            |
| SAU801934     | ABA105859       | 30%      | 78.6%          | 38%              |
| SAU801934     | BAN104444       | 47%      | 97.6%          | 100%             |
| SAU801934     | BAN112958       | 52%      | 100%           | 97.7%            |
| SAU801934     | BCE102018       | 42%      | 55.6%          | 51.9%            |
| SAU801934     | CAC102154       | 36%      | 75.4%          | 81.0%            |
| SAU801934     | CBO102232       | 49%      | 96.0%          | 98.4%            |
| SAU801934     | CDF100819       | 47%      | 98.4%          | 100%             |
| SAU801934     | EFA204644       | 29%      | 100%           | 96.1%            |
| SAU801934     | KPN103820       | 29%      | 70.6%          | 40.9%            |

| Query LocusID | Homolog LocusID | Identity | Query Coverage | Homolog Coverage |
|---------------|-----------------|----------|----------------|------------------|
| SAU801934     | LMO101932       | 31%      | 88.9%          | 85.5%            |
| SAU801934     | MAV100931       | 39%      | 54.8%          | 57.0%            |
| SAU801934     | MBV100745       | 29%      | 88.9%          | 87.6%            |
| SAU801934     | MTU201137       | 29%      | 88.9%          | 87.6%            |
| SAU801934     | PRT106136       | 43%      | 49.2%          | 23.8%            |
| SAU801934     | STM101603       | 28%      | 81.0%          | 41.2%            |
| SAU801934     | SAU801934       | 100%     | 100%           | 100%             |
| SAU801934     | SEP200626       | 80%      | 98.4%          | 99.2%            |
| SAU801934     | SHA100898       | 78%      | 98.4%          | 98.4%            |
| SAU801934     | SMU101019       | 31%      | 88.9%          | 90.2%            |
| SAU801934     | SPN401557       | 32%      | 84.9%          | 87.6%            |
| SAU801934     | VCH102380       | 38%      | 50%            | 24.6%            |
| SAU801934     | YPS002665       | 38%      | 53.2%          | 26.3%            |
| SAU802004     | BAN101272       | 25%      | 94.7%          | 98.4%            |
| SAU802004     | BAN107130       | 26%      | 95.9%          | 98.7%            |
| SAU802004     | SAU801163       | 28%      | 89.6%          | 92.8%            |
| SAU802004     | SAU802419       | 29%      | 91.1%          | 92.2%            |
| SAU802004     | SAU801820       | 29%      | 84.9%          | 88.1%            |
| SAU802004     | SAU802420       | 30%      | 83.4%          | 85.7%            |
| SAU802004     | SAU802005       | 33%      | 90.5%          | 82.9%            |
| SAU802004     | SAU802421       | 40%      | 96.4%          | 97.2%            |
| SAU802004     | SAU801819       | 39%      | 95.6%          | 94.3%            |
| SAU802004     | SAU802004       | 100%     | 100%           | 100%             |
| SAU802004     | VCH100912       | 22%      | 30.2%          | 43.2%            |
| SAU802047     | ABA100982       | 31%      | 99.7%          | 97.5%            |
| SAU802047     | BAN106801       | 29%      | 95.3%          | 98.4%            |
| SAU802047     | BAN104276       | 47%      | 99.4%          | 99.7%            |
| SAU802047     | BFR103776       | 37%      | 93.6%          | 57.0%            |
| SAU802047     | BFR10042        | 34%      | 99.7%          | 99.1%            |
| SAU802047     | BCE113553       | 30%      | 99.7%          | 99.4%            |
| SAU802047     | BFU107062       | 30%      | 99.7%          | 99.4%            |
| SAU802047     | BMA104615       | 31%      | 99.7%          | 99.4%            |
| SAU802047     | CAC100348       | 38%      | 99.4%          | 99.1%            |
| SAU802047     | CBO100372       | 39%      | 99.7%          | 98.9%            |
| SAU802047     | CDF101542       | 40%      | 99.2%          | 99.7%            |
| SAU802047     | EBC102419       | 32%      | 43.6%          | 86.1%            |
| SAU802047     | EFA201584       | 46%      | 100%           | 98.9%            |
| SAU802047     | EFM201350       | 46%      | 100%           | 99.2%            |
| SAU802047     | ECO103275       | 31%      | 45.0%          | 87.8%            |
| SAU802047     | HIN100639       | 31%      | 87.7%          | 42.5%            |
| SAU802047     | KPN301152       | 31%      | 46.1%          | 88.9%            |
| SAU802047     | LMO101290       | 46%      | 100%           | 99.5%            |
| SAU802047     | MCA100657       | 31%      | 99.7%          | 99.7%            |
| SAU802047     | PMU101582       | 31%      | 86.3%          | 40.9%            |
| SAU802047     | PRT102660       | 31%      | 86.3%          | 40.7%            |
| SAU802047     | STY101770       | 32%      | 82.6%          | 37.6%            |
| SAU802047     | STM102482       | 32%      | 82.6%          | 37.6%            |
| SAU802047     | SAU802047       | 100%     | 100%           | 100%             |
| SAU802047     | SEP201282       | 79%      | 100%           | 100%             |
| SAU802047     | SHA101969       | 80%      | 100%           | 100%             |
| SAU802047     | SMU100319       | 45%      | 100%           | 99.7%            |
| SAU802047     | SPN401021       | 47%      | 100%           | 100%             |
| SAU802047     | SPY200774       | 44%      | 100%           | 99.7%            |
| SAU802049     | ABA100056       | 43%      | 85.9%          | 93.3%            |